

Manufacturer	Part	Description	Notes
<b>Amplifiers - C-Band</b>			
Actox	ABD20EC	20W C-Band BUC	Model ABD20DCF Frequency 5.850 - 6.725, LO 4.9GHz. AC power, external 10MHz reference is required. Tested in good working condition.
Actox	ABD30DC	30W C-Band BUC	Used but guaranteed, 30W C-Band BUC, Frequency 5.85 to 6.725 GHz with an LO of 4.90 GHz. This is an AC powered BUC but 10MHz reference is required.
Anacom	Anasat 20W XC	10W C-Band 4.5 - 4.800 GHz / 6.725	Frequency 4.5GHz to 4.8GHz and 6.725 to 7.025GHz
Anacom	Anasat 50EC	50W C-Band Transceiver	Never used, still in its original box, complete with all cables and Anacom's Supervisor software on CD. It has been fully tested. TX 5.850 to 6.425
Anacom	40W C-Band Transceiver	Outdoor mount 40W transceiver	40W extended C-Band Frequency transceiver, shows very little usage, has been tested and is guaranteed in good working condition.
Anacom	Anasat 20EC Transceiver	20W extended C-Band Transceiver	Anacom 20W C-Band Transceiver. Transmit 5850 to 6425 MHz, Receive 3625 to 4200 MHz. Fully tested and guaranteed.
Anacom	Elsat 20EC-FL	20W C-Band BUC	Unused 20 Watt C-Band BUC, 5.850 - 6.425 GHz. Fully tested and guaranteed.
Belcom	mBLC-2	2 Watt C-Band BUC	Brand new (old stock) Belcom 2W C-band BUC. Frequency range 5.8 to 6.425 GHz. F Connector and LO Frequency 4.9 GHz
Comtech - EF Data	CSAT-5060S-025	25W C-Band Transceiver system	70 MHz to C-Band transceiver system. Frequency range 3400 to 4200 MHz and 6425 to 6725 MHz, this unit does not work and should be purchased for spare parts
Comtech - EF Data	CSAT 5060-100	100W C-Band Transceiver	100 Watt C-Band transceivers, 1 amplifier with the redundancy controller, Upgraded and Refurbished at the factory, in original factory crate.
Hughes	1019095-0001	5W C-Band Extended	Outdoor mount BUC made for Hughes, with extended C-Band frequency
Mitec	WTX-596440-70-ES-25	10 Watt C-Band BUC	10W C-Band BUC requires 10 MHz plus 24VDC on the IFL cable and 110V at the amplifier. TX 5850 to 6450 Mhz. Fully tested and guaranteed.
New Japan Radio	NJT5670F	Insat Frequency C-Band BUC	High range C-Band 5 Watt BUC covers the C-Band range from 6.725 to 7.025 GHz. F-Type connector
Paradise	HPAC3-250	200 Watt C-Band Rack mount SSPA	250 watt, rack mount, 4RU C-Band SSPA fully tested and guaranteed.
Xicom	XTRS-100C	100W Rack Mount C-Band SSPA	100 watt C-Band SSPA Single thread
Xicom	XT-100C	170W C-Band ODU TWTA	Excellent condition hub mount 170 watt C-Band TWTA. Several available, complete with cables and a six month warranty. Flange output power is 140W
Xicom	XTRD-200C	200W C-Band Rack Mount TWTA	Fully refurbished and tested 200 watt C-Band rack mount TWTA, email us for a full test report
<b>Amplifiers - KU-Band</b>			
Actox	ABE16KXF	16W KU-Band BUC	Used 16W KU-Band BUC, during testing the fan was discovered defective . The frequency range is 13.75 to 14.5 GHz.

Manufacturer	Part	Description	Notes
Anacom	Anasat 8KW	8W Ku-Band	The transceivers and LNC belonged to an emergency response company, they were seldom used and stored inside, although not new, they have very few hours
Anacom	0dB KU-Band Transceiver	KU Band 0 dB driver	KU Band up and down converter 70 MHz to KU and KU to 70 MHz. This is a 0dB meaning that it is safe to input the signal directly into a TWTA or SSPA
Anacom	ELSAT-80SEKu-EL BUC	Super extended KU-Band BUC	Anacom 8 watt KU-Band extended frequency BUC with frequency range of 13.75 to 14.5GHz. This BUC is tested and guaranteed.
Anacom	Anasat 100KU-EL 32049	100W KU-Band BUC	100W KU Band BUC, frequency range 13.75 to 14.5 GHz Never used in perfect condition.
Anacom	Anasat 100KU-EL 32049	100W KU-Band BUC	The model number suggests that the upper frequency is only 14.250 GHz, our tests show full frequency range of 13.75 to 14.5 GHz. Used and Guaranteed.
Codan	5908	8W KU SSPA Option 1	Codan 8W KU Band SSPA, part of a KU Transceiver
Comtech - EF Data	HPODK0.100SMSW00	100W P1Db KU Band Antenna Mount BUC	Outdoor Mount 100W KU-Band BUC, L-Band Input 1200 - 1700 MHz, RF output 14.0 to 14.5 GHz - Refurbished by Comtech April 2015
Comtech - EF Data	LPOD LPK0-33	125W PSAT KU-Band BUC	** SOLD ** This BUCs shows very little usage, complete with A/C cable and M&C cable. It requires A/C power supply. Frequency range is 13.75 to 14.5 GHz
CPI	VZU-6994	400W Ku-Band Rack Mount	350W KU Band full frequency range of 13.75GHz to 14.5 GHz. We have several of these TWTAs all tested and guaranteed, prices depend on operating hours
CPI	VZU-6997	700W Ku-Band Rack Mount	** SOLD ** 21,222 Hours, Helix at 660W 2.4mA Tested August 11.
CPI	VZU-6997	700W Ku-Band Rack Mount	Rack mount 700 watt KU-Band TWTAs all tested and in good working condition, test sheet will be provided
CPI	VZU6992EC	CPI 200W Rack Mount TWTA	*SOLD* Rack mount 200 watt KU band TWTA, frequency range 13.75 to 14.5 GHz. Low hours with good tube characteristics.
CPI	T02UO	200W KU Band ODU BUC	*SOLD APRIL 2016* 200 Watt KU band BUC in 1:1 Configuration. Very low hours at less than 12K each, with helix current of 2mA at 175W.
Gilat	VCD-022275-0000	2W Ku-Band	KU Band 2 Watt BUC, 14-14.5 GHz, requires 10 MHz reference plus 24VDC via the signal cable.
MCL	MT-3200	400 Watt TWTA	We have several tested MCL 400W KU TWTAs, ranging in quality from good to excellent. View video of our testing on Youtube
Mitec	WTX-14014539-70-ES-20	8W KU Band BUC	New - old stock - 8 Watt 14.0 to 14.5 GHz BUC
Mitec	WTX-14014544-70-ES-35	25 Watt KU Band BUC	25 Watt Mitec BUC, new in original box, 14.0 to 14.5 GHz
Mitec	WPA 14014543-ES-00	20 Watt KU Band BUC	Unused 20 Watt KU band BUC
New Japan Radio	NJT-5025	4W Ku-Band BUC	Tested and guaranteed for a period of six months. L-Band input, output 14-14.5 GHz, 4 Watt.

Manufacturer	Part	Description	Notes
New Japan Radio	NJT5116F	3 Watt KU Band BUC	3W lightweight KU-Band BUC with frequency range of 14.0 to 14.5 GHz
New Japan Radio	NJT 5123N	25W KU Band BUC	**SOLD ** 25 Watt KU Band BUC, that shows very little use. Frequency range 14 - 14.5 GHz
New Japan Radio	NJT5037F	3W KU Band BUC	These BUCs are labeled NJT5037FV 3 Watt BUC, 14.0 to 14.5 GHz. LO Frequency 13.05 GHz, F Type. 15 in boxes, 8 without box.
New Japan Radio	NJT5307F	4 Watt KU-Band BUC	Used New Japan Radio 4W BUCs, frequency range of 14.0 to 14.5 GHz. L.O. 13.05 GHz
Radyne Comstream	CR101	Ku-Band RF Module	KU band ODU 14 to 14.5 GHz
Terrasat	UPC140145001	4W Ku-Band; 12VDC	Standard KU frequency of 14.0 to 14.5 GHz. This 4W KU BUC accepts 24 VDC power.
Varian	VTJU-6393M1	Power Tube TWTA	TWTA replacement tube, for 300 Watt KU band TWTA, not tested
Vertex	PKM14S50A-X7	50W Hub Mount BUC	Used Hub mount BUC, fully tested. KU Band 14.0 GHz to 14.5 GHz output
Viasat	SCDTXB2W	2W Ku-Band 14-14.5GHz	Tested and guaranteed 2W KU BUC with standard frequency range of 13-14.5 GHz.
Wavestream	Wavestream MBB-KUE025-DS06	25 Watt KU-Band BUC	New 25 Watt extended frequency KU Band BUC - requires 48VDC power supply

### Amplifiers - Switches

Smith Communications	Kenco-24v10MHz	24VDC and 10 MHz Reference	Adds 10MHz and 24VDC to a modem generated L-Band signal. Ideal for L-Band modems that do not have the 24V to power a BUC.
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### Antenna Accessories

LNR	30042	6 GHz Transmit Reject Filter	C-Band transmit reject filter
Microwave Filter	7893D Band Pass Filter	C-Band Receive 3.7 to 4.2 GHz	A useful product when an antenna is located in a high radio frequency area. This filter removes any stray radiation outside of the C-Band RX range.
Sumitomo	AF502-2A2	SMAC PAC Transistor Inverter 200V/5	SMAC PAC Transistor Inverter, 200V/50MHz, AF500 - used for operation of antenna control motors.
Vertex	1220A	Antenna De-Icing System	VERTEX 1220A DE-ICING INDOOR AND OUTDOOR CONTROL
Walton Enterprises	DDC-400/DP-8	Antenna Deicing with Control/Status	Walton antenna de-ice controller and DP-8 controller status panel

### Antenna C-Band

Andrew	7.3M ESA	7.3M Earth Station Antenna	Two port receive only, C-Band antenna, fully motorized, taken down and stored in Texas
Andrew	9M ESA	9M C-Band Antenna	Model ES91, Four port, fully motorized, linear polarized, taken down and stored. Allow four weeks for packing.
Andrew	9M ESA	9M C-Band Antenna	Not motorized, 4 port Linear C-Band Antenna, taken down two years ago. Packed in a container in California area.
Scientific Atlanta	10M - C-Band ESA	10 Meter TX/RX Earth Station Antenna	Scientific Atlanta 10M 2 Port installed in the 1980s. It is not 2 deg compliant. Motorized, SA controller and de-ice

Manufacturer	Part	Description	Notes
Viasat	15M TX/RX	16 Meter C-Band TX/RX Earth Station	18 years old, 4 port, RX Freq: 3.625-4.200 GHz ; Tx Freq: 5.850-6.425 GHz ; Receive G/T 36.3 Db/K, Viasat 8860 controller

### Antenna Controllers

Computer Controls Co	DSR-90-36-2P	Antenna Control Unit	Two axis antenna controller - untested
Research Concepts	RC2000	Dual Axis Antenna Controller RC2KA	Model RC2000A Guaranteed in good working condition.
Research Concepts	RC3000	Antenna Controller for Mobile Uplink	A controller that was designed to work with a Vertex 2.4m truck mounted military antenna.
Research Concepts	RC2000C	Step Track Antenna Controller	Full function antenna controller with step track option and inclined orbit tracking.
Satellite Transmissi	Remote Antenna Control Pa	Remote Antenna Control Panel Assembly	Antenna controller for two axis antenna.
Vertex	7200 ACU	7200 antenna controller	Rack mount controller only, with many automated functions including the ability to track inclined orbit satellites.
Vertex	7134 Antenna Controller	Rack mount 7134 Antenna Controller	Part of an antenna sale, but not required by the new owner, good working condition.

### Antenna Feeds

Andrew	4 Port C-band Feed	C-band Linear Feed for Andrew Antennas	4 port Linear polarized feed, complete with cross guide coupler for Andrew 7M to 9M ESA
Andrew	9M ESA Feed Horn	Circular Polarized Feed Horn	Feed Horn from Andrew 9M Circular Polarized Intelsat approved Standard B antenna
Apollo	Model 11009 TX/RX Filter	C-Band Transmit Reject Filter	It allows frequencies in 3.7-4.2 ghz range and rejects frequencies in 5.925-6.425 GHz range. The filter has a WR229 flange.
AVL	KU-Band Feed	KU-Band feed for AVL Mobile antenna	Brand new KU-Band feed taken from an AVL mobile antenna.
AVL	X-Band Feed	Complete X-Band feed with LNB	AVL X-Band Flyaway VSAT Antenna Feed, complete with X-Band LNB and switchable TX reject filter.
Channel Master	Channel Master KU-Band	Ku Feed Horn with OMT and TRF	Excellent condition, very seldom used
Prodelin	Prodelin C-Band Feed	C-Band Feed Horn	Prodelin C-Band, linear/circular polarity, field switchable feeds. Shown with 3.7M feed horns but compatible with 1.8M, 2.4M and 3.8M offset antennas.
Prodelin	Prodelin KU-Band	1.2M Ku Feed Horn	KU Band Feed for Prodelin 1.2M complete with NJR2135H LNB
Prodelin	Prodelin KU-Band	1.2M Ku Feed Horn	KU-band feed with mounting bolts and RF gasket for Prodelin 1.2m antenna systems
Prodelin	C-Band Circular Polarizer	Circular Polarizer tube for 1.8 to 3.8M antenna	A field addition to a Prodelin C-Band antenna feed, inserting this CP tube converts the polarization from Linear to Circular
Unknown	X-Band Feed	2 port x band feed	AVL X-Band Flyaway VSAT Antenna Feed, complete with X-Band LNB and switchable TX reject filter.
Vertex	111960-3	KU Band transmit reject filter 1119	Vertex RIGID WAVEGUIDE WR75 Part No. 111960-3 TRF 90-Degree Ku-Band, unused

Manufacturer	Part	Description	Notes
Vertex GDSatcom	106824	C-Band 4 Port TX/RX diplexer	This C-Band diplexer consists of two polarizations, the linear (104729) and circular polarizer are included. Quick field change from linear to circular.

### Antenna KU-Band

Andrew	Andrew 4.6M KU	4.6m TX/RX Earth Station antenna	Andrew 4.6m antenna is two port TX/RX non motorized with a full de-ice, but only the lower part works. The antenna has been taken down.
Vertex	9-KPK	9 Meter KU Band Earth Station Antenna	*SOLD MARCH 2016* LNA CNTLR: Maxtech LNA ASSEM: Vertex LKE 12070 Beacon RX:Vertex 253 ACU: 7200, Az/EI Motor: RF60DT90L4-KS / DFT 90S4-LS
Vertex	4.8M Compact Cassegrain	48M KU Band Antenna	*SOLD MARCH 2016* 4 Port Fully motorized, KU Band Standard Frequency, with 7134 ACU. Recently taken down and placed in a storage container

### Antenna Mobile

Advent Communications	Advent 1.2m SNG	Mobile KU band antenna	Advent 1.2m with vehicle mounting hardware, consists of antenna and controller, auto acquisition package.
AVL	AVL 1278	1.2M Auto Acquisition antenna, TracStar	NJT 4W BUC + iNfiniti 3100 + TracStar controller in fly-away cases. Auto acquisition controller finds preset satellites automatically.
AVL	AVL .75M SNG antenna	Vehicle Mount 75cm KU Band Antenna	Vehicle mount antenna package, TracStar 750, complete with 3 watt BUC, capable of transmitting up to 512Kb and receiving 1500Kb
AVL	AVL 1.8M KU-Band	Vehicle Mount 1.8m Antenna	** SOLD ** This antenna has been completely refurbished in March. Complete with auto-acquisition controller and vehicle mounting -
C-Com	iNetVu 980 Drive-Away Antenna	Vehicle Mount .98M with controller	Less than three years old, iNetVu® 980 Drive-Away Antenna 4 watt buc, iNetVu® 7000 Controller, Evolution X5 Series Satellite Router
DataStorm	1.2M KU antenna	1.2M KU-band mobile antenna with positioner	2000 Ford Excursion (4x4) w/ DataStorm 1.2M Antenna, iDirect 3100, Receiver, ACU, 4-Watt BUC, GPS Antenna, Radio Gear, 8Kw Generator, & much more.
General Dynamics	1139QD	Quick Deploy non motorized 1.2m	Manual quick deploy 1.2m antenna with 2 watt BUC and full set of cables complete with packing cases. GD Satcom new price \$14K +
Norsat	Norsat GLOBEtrekker Manpack	1 Meter back pack antenna system	The entire system including the antenna, BUC and modem fits into two backpacks. The antenna controller is auto-acquisition.
T-Gex	T-Gex 1.2m Flyaway	TX/RX KU-Band transportable	Lightweight, portable antenna fits in two transit cases. Good quality and very well priced from a reputable Brazilian manufacturer.

### Audio Equipment

Videotek	VDA/ADA-16	Audio and Video Distribution Amplifier	VIDEOTEK Rackmount Audio Video Distribution Amplifier ADS-24 & VDA-16. There is a vacant slot for DAT 2. Measures 19 x 10 x 2.
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Manufacturer	Part	Description	Notes
Vierling	Ecotel VTMpro	Voip gateway	Will receive 32 simultaneous VoIP calls and it will send these 32 calls to cellular operator via its 32 built-in cell phone cards

### Beacon Receiver

Satellite Systems Corporation	3470 BTR	70 MHz Satellite Beacon Receiver	70 MHz Beacon Receiver used to track the receive signal of the satellite and feed pointing data to the antenna controller.
Vertex	TRK-14	TRACKING RECEIVER	KU Band Beacon Tracking Receiver, four preset beacon frequencies can be set using crystal oscillators. The front panel switch selects the frequency.
Vertex	253 Beacon Tracking Receiver	Vertex Beacon Tracking Receiver	Fully tested and guaranteed, Vertex 253 Beacon Tracking Receiver, it can operate in KU Band or L-Band with the correct option. This one is KU Band.

### Cables

Andrew	204989-2	Grounding Kit for Helix Elliptical	Andrew 204989-2 GROUNDING KIT for 7/8 Inch Helix Elliptical Waveguide & Coax
Belden	Part No. 05-0923-001	V. 35 Male to LFH 60 Male Cable	Belden V.35 TO LFH-60 MALE CABLE Part No. 05-0923-001 MULTIPLE QUANTITIES Used
Black Box	BCO4520-MF	Winchester Male to Winchester Female	Winchester male to Winchester female adapter cable.
Cisco	CAB-RPS-2218	New Cisco Cable	Cisco CAB-RPS-2218 Power Cable PROLABS 1.M NEW IN BAG For Cisco Routers 2218
Cisco	CAB-SS-V35FC10	10FT Cable Smart Serial to V.35	Cisco CAB-SS-V35FC10 Smart Serial 26-Pin to V.35 10 FOOT CABLE Blue
Cisco	CAB-SS-X21MT	X.21 Cable DTE Male to Smart Serial	Cisco CAB-SS-X21MT 10 FOOT CABLE 26-Pin Smart Male to 15-pin DB-15 Male Gateway
Cisco	CAB-V35FT	V.35 Cable DTE Female 10ft	Cisco CAB-V35FT 10-FOOT CABLE DTE Female Connectors NEW IN PACKAGE
Compaq	189646-001 Cable	HSSI Male to HSSI Male Amphenol	COMPAQ Part No 189646-001 HP External W-SCSI-68pin M-to-M Cable USED
Comtech - EF Data	Serial Cable Adapters	50 Pin to DB25 & Winchester	Adapter cable for Comtech EFData modems, offering either a Winchester or DB25 connection from the modem serial port.

### Cables

Trompete Electronic	JSI-52	IF Patch Panel	IF Patch Panel
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### Cisco Equipment/Part

Cisco	3620	Ethernet Router	We have several routers of this type with different options. As an example WIC-1T and VWIC 1MFT-G703 on several
Cisco	3640	Ethernet Router	Several 3640 routers, specify which options you need in order to get the price. Some are 48VDC, others are A/C
Cisco	1000	1 serial port no P/S 12VDC	This router does not have the A/C power supply and has not been tested.

Manufacturer	Part	Description	Notes
Cisco	2611	Ethernet Router	The router has one WIC-1T interface installed.
Cisco	Cache Engine 500	Cisco 500 Cache Engine	Cache engine in good working condition
Cisco	RPS	Cisco 48VDC RPS Redundant Power System	The RPS has four 48VDC power outlets for Cisco routers. The photograph shows our in-house RPS running our 3620 router.

### Cisco Modules

Cisco	NM-30DM	Cisco 3600 Modem Card MICA Bank	Cisco Modem (digital) - plug-in module - 56 Kbps - K56Flex, V.90 - 30 digital ports
Cisco	1721	64MB RAM WIC-1T 32MB Internal Flash	Brand new Cisco 1721 router with manual, cables and power supply.
Cisco	C7200 I/O	Cisco I/O Board for 7200 Series Router	Cisco Input/Output controller.
Cisco	C7200 I/O	Cisco I/O Board for 7200 Series Router	Cisco 7200 module
Cisco	NM-1CT1	NM-1CT1 (PRI T1/ISDN) for 3600 Series	1-Port Channelized T1/ISDN-PRI with CSU Network Module.
Cisco	NM-1CT1	NM-1CT1 (PRI T1/ISDN) for 3600 Series	Cisco NM-1CT1 Network Module 1-PORT CHANNELIZED T1/ISDN-PRI For 3600 Ser. Router
Cisco	NM-1E2W	Cisco NM-1E2W for 3600 Series Router	Cisco NM-1E2W 1-Ethernet 2-WAN Network Module for the Cisco 3600 family of routers
Cisco	NM-2E-2W	Cisco NM-2E-2W for 3600 Series Router	LAN connectivity modules for the Cisco 3600 platform
Cisco	NM-2W	Cisco NM-2W for 3600 router only	Designed for Cisco 2611XM VPN Bundle, 2621XM VPN Bundle, 2651XM VPN Bundle, 3725 VPN Security Bundle, 3745 VPN Bundle, 3825 Security Bundle, 3845
Cisco	NM-4T	Cisco NM-4T for 3600 Series Router	Four port serial interface - guaranteed in working condition.
Cisco	PA-4T	Cisco Pa-4T for 7200 Series Router	The PA-4T+ provides the following electrical interfaces: EIA/TIA-232, EIA/TIA-449, EIA-530. X.21 and V.35 - designed for Cisco 7200 series
Cisco	PA-8E	Cisco PA-8E for 7200 Series Router	Cisco PA-8E 8 Port Ethernet Port Adapter for 7200 7204 7206. New in box with documentation.
Cisco	PA-8E	Cisco PA-8E for 7200 Series Router	Two Cisco PA-8E Ethernet adapter modules in poor cosmetic condition. Email or call for a low price.
Cisco	PA-8E	Cisco PA-8E for 7200 Series Router	Cisco PA-8E Expansion Module 8-PORTS Ethernet 10Base-T 10MBPS DATA RATE for 7200
Cisco	PA-FE1	Cisco PA-FE1 for 7200 Series Router	Single ethernet port for Cisco 7200 series
Cisco	PRI-1CE-1U	PRI-1CE-1U (PRI E1-ISDN) for 3600 Series router	E1 Interface module for Cisco Router
Cisco	WIC-1T	WIC-1T Serial interface	Cisco WIC-1T WAN Interface Card 1-PORT SERIAL Expansion Module USED 2.048Mbps
Cisco	ATM-1A-OC3MM	NM-ATM-DS3 network module	Used Cisco NM-ATM-DS3 network module, guaranteed for 60 days
Cisco	ATM-1A-OC3MM	NM-ATM-DS3 network module	Cisco ATM-1A0C3MM Plug-In EXPANSION MODULE Fiber Optic 155Mbps USED

### Computer Parts

Arco Computer	DupliDisk Rev. 3.00-P	PCI Card	Arco Computers DUPLIDISK REV 3.00-P PCI Card NETWORK ADD-ON Used
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Manufacturer	Part	Description	Notes
Tekram Technology	DC-315U	PCI SCSI Adapter	PCI to SCSI computer adapter card
Vanta Technology	VARM649PS Video Card	NVIDIA 32MB TNT2 M64 AGP Video Card	Vanta Technology NVIDIA 32MB TNT2 M64 AGP Video Card Model No. VARM649PS Used

### Connectors

Andrew	F1PBM	Heliac coaxial cable splice adapter	Andrew SPLICE ADAPTER Part No F1PBM for Heliac Coaxial Cable BNC-MALE CONNECTORS
Andrew	H5PNM Ver 2 Connector	7/16 N-Male connector kit	Andrew H5PNM Ver 2 Connector 7/16 N-MALE With Hardware unused in original box
Andrew	Type 1127DCT Connector	Heliac Elliptical Waveguide to SMA	Elliptical wave guide to SMA transition.
Andrew	Type 1127DCT Connector	Heliac Elliptical Waveguide to SMA	Used Elliptical waveguide to WR75 transition

### Connectors

Andrew	EW52 Elliptical Bushing	EW52 Building Entrance Bushing	Andrew EW52 WALL BUSHING Elliptical Entrance Fitting RUBBER Waveguide
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### Connectors

Comtech - EF Data	B-1950 Break Out Panel	Modem Serial Break Out Panel	Four port breakout panel, used as a serial cable adapter to allow different serial protocols and cables to work with Comtech modems.
Comtech - EF Data	PL/5727	Modem Serial Cable with DB25 Connector	Internal Serial interface card with DB25 connector, fits SDM-300 and SDM-300A modems.
I.F. Engineering	IM-50/75-B-MF Adapter	Impedance Changer (50-75 50 to 75 ohms	I.F. Engineering IM-50/75-B-MF Adapter 0UFA1 50-75 oHm BNC Connectors impedance converter
M2 Global	WR 137 to N-Type Adapter	WR137 to Coax Type N adapter	Brand new Waveguide to Coax transitions CPR 137 or CPR 159 to N Type

### Connectors

Sector Microwave	3530963 C-Band Switch Pan	Connection interface Waveguide- Coax	db9 connectors and db25 connector on the front of the panel with three cables that will connect to Sector Microwave baseball switches.
Thomas & Betts	LT4200P	2IN 45Degree Connector for Conduit	Thomas & Betts Model LT4200P 2 INCH 45-Degree Bullet Connector for Conduit
Unknown	Patch Panel	Patch Panel with BNC and N-type connectors	Generic Patch Panel BNC-Female and N-Female Connectors 1RU Rack Ears
Various/Misc	N(F) to F(M)	N Female to F Female	RF cable adapters N-Female to F-Male
Various/Misc	N(F) TO N(F)	N Female to N Female	Cable adapters N-Female to N-Female USED Adapters
Various/Misc	N(F) to SMA(M)	N Female to SMA Male	Cable adapters from Various Manufacturers RF Connectors N-Female to SMA-Male USED Adapters

### Connectors

Various/Misc	Trompeter JSI-48/J3W	48 Port Patch Panel	48 port patch panel sold without plugs.
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Manufacturer	Part	Description	Notes
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### Converters - Block

Cross Technologies	2083-714A	Dual 70 to 140 MHz and 140 MHz to 70 MHz	The Cross 2083 is a dual purpose 70 to 140 MHz or the reverse, accepts external reference or provides an internal 10 MHz. Remote input or front panel.
Miteq	DNB-12.1	Block Down Converter 12.1 GHz to 1.35GHz	KU Band to L-Band Block Down Converter
Miteq	DNB-12.1S	KU Band to L-Band Block Down Converter	1RU Block down converter with frequency range KU-Band 11.7 to 12.5 GHz to L-Band

### Converters - C-Band

Codan	5527	C-Band Converter	Part of a C-Band transceiver system, this is the frequency converter from 70 MHz to C, and C-Band to 70 MHz, no cables.
Comtech - EF Data	SDC-400A Downconverter	C-Band to 70 MHz	C-Band Down Converter - Tested in good working condition
Comtech - EF Data	UT4505	C-Band 70MHz Up Converter	70 MHz to C-Band Up Converter tested and guaranteed.
L3	DC4M2-110M000	C-Band to 70MHzr 3.4 to 4.2 Ghz	C-Band to 70MHz Down Converter operates with 125KHz step size
LNR	Slimline C-Band Up Converter	70 MHz to C-Band Up Converter	70 MHZ INPUT, 5925-6425 OUTPUT, GAIN ADJ ON TOP
Miteq	D-9322	C-Band to 70 MHz	C-Band to 70 MHz Down Converter - 2 RU
Miteq	D-9642	C-Band to 70 MHz Down Converter 1RU	C-Band to 70 MHz Down Converter
Radiation Systems In	DCS3-001-2	C-Band to 70 MHz	C-Band down converter, slight damage to display screen, otherwise perfect
Radiation Systems In	UCS5-001-2	70 MHz to C-Band Up Converter	The modem shows an alarm on start up, but never displays anything on the display panel. Sold for parts
Radiation Systems, Inc.	UCS5-004-2	70 MHz to C-Band Up Converter	70 MHZ IF, 14-14.5 OUT, RSI
Radyne Comstream	SFC6400	C-Band Up Converter IF 70 or 140 Mhz	140 MHZ INPUT, 5854-6550 OUT
Satellite Systems Corporation	SSC 4500	C-Band to 70 MHz Downconverter	C-Band to 70 MHz Down Converter

### Converters - KU-band

Codan	5900 KU Converter	Codan 5900 KU IF Converter	KU Band up and down converter, they are normally part of a Codan transceiver package
L3	DC11M2-1300A000	Ku-Band to 70 MHz Down Converter	KU Band to 70 MHz Down converter with a 125KHz step size
LNR	506016684	KU-Band to 70 MHz Down Converter	Ku-Band Downconverter Frequency range 10.95 to 12.75 GHz with 70 MHz output
Miteq	D-9649	KU Band to 70 MHz Down Converter	KU Band to 70 MHz down converter in Guaranteed working condition, frequency range of 11.7 to 12.2 Ghz.
Miteq	U-9796-6	70 MHz to KU Band UpConverter	Full frequency range KU Band up converter 13.75 to 14.80 GHz. Tested and guaranteed in good working condition. Testing video: <a href="https://youtu.be/uNJ07qD5eC4">https://youtu.be/uNJ07qD5eC4</a>

### Converters - KU-Band

Miteq	U-9696-3	70 MHz to KU Band UpConverter	Fully tested 70 MHz to KU Band up converter, frequency range 13.75 to 14.50 GHz
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Manufacturer	Part	Description	Notes
Miteq	D-9908-6-1K	KU Band to 70/140 MHz Down Converter	Miteq Down Converter, KU Band to 140 MHz. Frequency range 10.7 - 12.75 GHz
Miteq	D-9908-6-1K	KU Band to 70/140 MHz Down Converter	KU to 70 MHz, this one was tested at 70 MHz IF output
Miteq	U-9956-6-1K	KU Band Up Converter	140 MHz to KU Band up converter with frequency range of 13.75 to 14.8 GHz
Miteq	U-9956-6-1K	KU Band Up Converter	70 MHz to KU band up converter, full frequency range of 13.75 to 14.8 GHz
Miteq	D-9748	KU Band Down Converter	KU Band Down Converter, output 140 MHz. Tested and guaranteed in good working condition.

### Converters - L-band

Advantech	100-UC1000-000	L-Band to C-Band ODU	Hub mount 0dB BUC, converts L-Band input to C-Band to drive a TWTA or SSPA
Quintech	Quintech PUL A70	70 MHz to L-Band Frequency Converter	70 MHz to L-Band Up Converter, rack mount, operates in 125KHz steps
Satellite Systems Corporation	SSC 5420	UpConverter 70 MHz to L-Band (950 to 1450 MHz),	Input 70 MHz, output 950 to 1450 MHz, 10 MHz Ref.

### Crossguide Coupler

AMC	Ku-Band TRF	Ku-Band TRF with Crossguide Coupler	WR75 waveguide plus crossguide coupler
Apollo	14963-1	Ku-Band Crossguide Coupler	Cross guide coupler with frequency range of 13.75 to 14.5 Ghz
Apollo	12177-3 Sniffer	Cross Guide coupler Ku-Band	Apollo DELUXE RF SNIFFER Ku-Band Rigid Elbow Waveguide Attached PART NO 12177-3
Arra INC.	159-602-A-4-4-30FNF	C-Band Crossguide Coupler	Freq. 4.90-7.05GHz 30dB
Sector Microwave	106552-1	35 X 4 WR137 Elbow Waveguide with C	Sector Microwave WR-137 C-Band Rigid Elbow WG with crossguide coupler P/N 106552-1 34 x 4
Specialty Microwave	033338-8 Ku Band	Cross Guide Coupler KU Band	Rigid waveguide WR75 waveguide with cross guide coupler.
Specialty Microwave	033338-8 Ku Band	Cross Guide Coupler KU Band	Specialty Microwave Corp WR75 5 x 10 x 6In Double Elbow Waveguide P/N 9606-150-2
Specialty Microwave	crossguide coupler	ku band crossguide coupler	Specialty Microwave Corp. WR75 Ku-Band Waveguide W/ Crossguide Coupler ATW040998
Unknown	RF/CG-137-40-N	CPR137 C-Band Cross Guide Coupler	Brand new C-Band cross guide couplers probably manufactured by Lieder CPR137
Unknown	024604-40	CPR159 Cross Guide Coupler	Brand new C-Band cross-guide coupler manufactured by Lieder Dev. Flange size CPR159

### Dehydrator

ADH	ADH Netcom	Hub mounted waveguide dehydrator	Rare, antenna hub mount dehydrator, original cost \$5750
Dielectric	Dielectric 3200	Free standing dehydrator	High Volume Free Standing waveguide dehydrator
Dielectric	Dielectric 3600	High volume dehydrator 19-507-3600	High volume wave guide dehydrator perfect for long waveguide runs. The unit has wheels and is easy to move.
Dielectric	Dielectric 850C	Free standing dehydrator	Fully automatic, self-contained compressor dehydrators, Dielectrics Models 850 provide a dry air source for a variety of small volume applications
Dielectric	PN 0028726-506 Maintenanc	Maintenance Kit for Portable Dehydr	New dehydrator maintenance kit

Manufacturer	Part	Description	Notes
Dielectric	PN 20523-3	Dehydrator Valve	Replacement valve for Dielectric free standing dehydrator
Dielectric	PN 25602-502	Moisture Indicators	Dielectric MOISTURE INDICATORS Crystals Part Number 25602-502 USED
Dielectric	PN A24815-4	Dielectric Dehydrator Repair Kit	Brand new repair kit Dielectric dehydrators
Dwyer Instruments	1823-80-1 Pressure Switch	1800 Series Pressure Switch	1800 Ser Low Diff PRESSURE SWITCH Part Number 1823-80-1 USED
Dwyer Instruments	1910-20 Pressure Switch	1900 Series Pressure Switch	Spare part for a dehydrator 1900 Ser Low Diff PRESSURE SWITCH Part Number 1910-20
Environmental Tech.	ADH 2A COM Dehydrator	Dehydrator 120/240V 1.3-.7 AMPS	Rack mount dehydrator, used to remove the moisture from satellite earth station waveguide runs.
Environmental Tech.	ADH-3ACOM	ETI Rackmount Waveguide Dehydrator	Great condition S/N 1108 and 0614 correction to the part number this unit is an ADH-3COM
Fairchild	Waveguide Pressure Balancer	Three port adjustable pressure output	Used with Dielectric dehydrators to balance the air pressure in different waveguide runs.
LNR	008087-1	High Volume free standing dehydrator	High volume dehydrator, used with long waveguide runs
Satellite Transmissi	Waveguide Dehydration Con	W/G Pressurization Control Dehydrat	Part of a waveguide dehydrator pressure control system.

### Demodulator 70Mhz

DX Antenna Co	DSA-646	Satellite Receiver and video demodulator	Satellite receiver, demodulator
Radyne Comstream	DD-160	Digital Demodulator	HSSI interface, 70/140 MHz, QPSK, 8PSK, 16QAM modulation
Radyne Comstream	DD-240	Digital Demodulator	70MHz, ASI input, 8PSK, 16QAM, 144 MHz

### Demodulator Lband

Comtech - EF Data	CDD-564L	L-Band Quad Demodulator	CDD-564L, integrates with the optional Vipersat Management System. Designed with four separate demodulators, full IP control. 6 month warranty.
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### Dummy Loads

Apollo	C-Band Dummy Load		C-Band 1KW Dummy load, Apollo model number 14738-1 New list price is \$900
ATM Microwave	ATM 75-745A-6	KU Band 500W Load 10 to 15.0GHz	KU Band dummy load, rated at 500 watt continuous absorption
Unknown	2KW	C-Band 2KW	Unknown manufacturer, like new 2KW C-Band Dummy Load
Various/Misc	Termaline 25W Dummy Load	Coaxial Resistor	Termaline COAXIAL RESISTOR Model No. 8080 25W 50Ohms BNC-MALE Connector USED
Waveline Inc.	Waveline 7582	500W KU Band Dummy Load	These WR75 dummy loads are physically small but with a high capacity. They are rated at average of 500 watts with peak 230KW

### Encoder

April	AD-1886B SD Encoder	MPEG2 SD Encoder	Used Encoder/Transcoder-H264/SD, Four independent video/audio input interfaces. Removed from a working teleport
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Manufacturer	Part	Description	Notes
April	AD-1864 H.264 HD Encoder	High Definition Encoder Transcoder	The AD1864/P/S is the best choice for any cable TV/satellite operator that needs to compress high definition video signal using H.264 format
Regen	Regen REH2201	MPEG 4 AVC HD Encoder	Used Single Channel HD MPEG4 Encoder

### Ethernet Equipment

Cisco	PIX-515 Firewall	Ethernet Security Appliance	Cisco call them Security Appliances but we think of them as Firewalls.
Cisco	WS-3550-24	24 Port Ethernet Switch	Catalyst 3550-24 Switch 24 10/100 ports and two Gigabit Interface Converter (GBIC)-based Gigabit Ethernet ports; 1 rack unit (RU)
Cisco	2651XM	Ethernet Router	Router with serial card - good working condition
Cisco	AS5300 Universal Gateway	AS5350XM Multi-function Gateway for networks	Ask about the options
Cisco	7200 VXR	Cisco 7200 VXR Series Router	Used Cisco 7200 VXR Series Router delivers exceptional performance/price, modularity, and scalability in a compact form factor.
Digi	WR44-U	Four port cellular router	These are four port routers that connect directly to the cellular network using a SIM card. We also have several used routers without antennas.

### Fans

Comair Rotron	FD1284	Falcon DC Model Fan for EN60950 12V	Comair Rotron MODEL FD1284 Falcon DC Model FAN FOR EN60950 12VDC USED Great Condition
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### Hardware Kits

Andrew	223158	Grounding Kit for Coax & Elliptical	New Andrew Grounding kit for elliptical and COAX waveguide
Andrew	55001-229	Pressure Window Assembly Kit	Andrew PRESSURE WINDOW ASSEMBLY KIT Part No 55001-229 WR229 C-Band UNUSED
Andrew	55219-159	Hardware Kit for CPR-159G Flange	Andrew HARDWARE KIT Part No 55219-159 For CPRG-159G Flange NEW IN PLASTIC

### IRD

Upcom Technologies	UC-IRD+	HD/SD Integrated Receivers	DVB-S/S2, ASI and IP Receiver, SD/HD MPEG-2 and H.264/MPEG-4 AVC Decoder Multiple Analog and Digital Outputs
Upcom Technologies	UC-IRD	Integrated SD Receiver	This is a used DVB-S/S2, ASI and IP Receiver, SD MPEG-2 Decoder removed from a working teleport.

### LNA/B Switches

Vertex	BRK-1201	Ku-Band Redundant LNB Switch	KU Band 1:2 LNB controller. A 1:2 system provides one spare LNB for either of two primary LNBs. Slight case damage from shipping.
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Manufacturer	Part	Description	Notes
Vertex GDSatcom	RSC-1200	1:2 LNA LNB Redundancy Controller	The RSC-1200 Redundant System Controller can directly power most LNA or LNB units and monitor the output voltages

### LNA/B/C

Actox	AL10500	Ku-Band DRO LNB	ACTOX Model No AL10500 KU BAND DRO LNB 500KHz, 10.95-11.7 GHz
Actox	AL20500	LNB DRO 11.7 to 12.20 GHz	ACTOX Model No AL200500 KU BAND DRO LNB 500khZ, 11.7-12.2 GHz, a brand new LNB in its original box.
Anacom	30784	Ku Band LNC 65k-110k	KU Band LNC several available, noise temperature from 65K to 110K. Shown on the photograph with matching 8 Watt KU transceiver (sold separately)
Andrew	C-Band 1:1 LNB Plate	California Microwave PLL LNBS	The LNB package is missing the controller
California Amplifier	KU117HMT-SL	HEMT Amplifier Ku Band 11.7-12.2 GHz	California Amplifier KU BAND HEMT LNAR P/N KU117HMT-SL 11.7-12.2GHz 55dB
California Amplifier	31624 Intelsat-K	Intelsat-K Ku-Band LNB 59dB 12-22VD	KU Band Input Frequency 11.45 to 11.95 GHz. Gain 59 dB Output 950 to 1450 MHz.
Kaman	RF-2130-100-60-C	Kaman Ku Band LNA 12-28 VDC	KU Band LNA. +12VDC to +28VDC Power. Some are labeled Locus, others are labeled Kaman
Kaman	RF-3000-40-60-B3-A1F1	Kaman GaAs FET C-Band LNA 40K 12-25	High stability and high accuracy GaAs Fet LNAs. Frequency range 3.6 to 4.2 GHz. +12v to +25v DC power. Noise temperature of 40 degrees.
Kaman	RF3000	C-Band GaAs FET LNA	Kaman C-BAND LNA P/N RF3000-33-60-B3-A1F1 33K NOISE TEMP +12-+25V AC Input. Frequency range 3.6GHz to 4.2GHz
LNR	LNA 1:1	C-Band LNA 1:1 redundancy set	LNA Local Channel Select IDU - part of an LNA redundancy package.
LNR	LNA 1:1	C-Band LNA 1:1 redundancy set	C-band redundant LNA plate, Ga with two LNR FT4-35/600 LNA. One output waveguide the other output Type N
LNR	2331	LNA Controller for Redundant LNA system	One RU LNA controller
LNR	406015796-1	LNA Channel Select and Monitor Switch	Controller for LNR LNA systems.
LNR	50604788-1	Tridundant LNA Local Channel Select	Monitor and control for a tridundant LNA system.
LNR	949	LNA Local Channel Selector	Redundant LNA Selector Switch, model number 51029
LNR	949	LNA Local Channel Selector	Redundancy control panel for LNR manufactured LNA
Locus	RF-2130-100-60-C	Ku Band LNA; 12-28 VDC	KU Band LNA. +12VDC to +28VDC Power. Some are labeled Locus, others are labeled Kaman
Locus	KU Band 1:1 Redundancy Plate	Redundancy Plate with two Locus GasFet LNA	LNAs are model RF-2130-100-60-C
Microwave Engineering	Systems LB 6080	C-Band LNB	RF Frequency 3.7 to 4.2 GHz, IF frequency 950 to 1450 MHz, Noise Temp 58 degrees, gain 60dB
New Japan Radio	NJR 2635 EN4	PLL LNB 11.7 to 12.20 GHz	Brand new in original box. This LNB has a Viasat label with part number CL0006136-01 11.7 to 12.2GHz LO 10.75 GHz

Manufacturer	Part	Description	Notes
New Japan Radio	NJT-2639E	PLL LNB 11.2 to 11.7 GHz	Never used in original box, frequency range 11.2 to 11.7 GHz. L.O. 10.25 GHz
New Japan Radio	NJR2835S	KU Band PLL LNB	Frequency range 11.7 to 12.2 GHz, with LO Frequency of 10.75, we have a large number of these in stock and can offer discounts for bulk purchases.
Norsat	1507HC - KU	KU PLL LNB 10.95 to 11.7GHz range	Used Norsat KU-Band LNBs, F connector and WR75 flange.
Norsat	1000A PLL	PLL Ku Band LNB 11.7-12.2 GHz	KU Band PLL LNB with frequency range of 11.7 to 12.2 GHz.
Norsat	3120 C-Band PLL LNB	Input 3.4 to 4.2 GHz	Brand new PLL LNB with stability +/- 5kHz temp 20 K Gain 62 dB
Norsat	3120 C-Band PLL LNB	Input 3.4 to 4.2 GHz	Used C-Band PLL LNBs with stability +/- 5kHz temp 20 K Gain 62 dB
Norsat	HS1057AN LNB	High stability KU-Band PLL LNB	Frequency range 11.7 to 12.2 GHz, LO Frequency 10.75 GHz, stability +/-5 KHz. We currently have two brand new LNBs

## Manuals

Actnet	Netperformer Manual	Hard Copy Manual	ACTNET Netperformer System Reference Manual DECEMBER 1998 - very good physical condition
Actnet	Netperformer Manual	Hard Copy Manual	ACTNET SDM-9400 Manual QUICK SETUP GUIDE Includes SDM-RX April 2000
Adaptive Broadband	SMS-451E Manual	Manual SMS-451 Modem protection Switch	Hardcopy Operation and maintenance manual for Adaptive Broadband SMS-451E modem protection switch.
Agilent	Agilent 53150A Manual	Programming and Operating Manual	Hard copy manual for the HP 53150A
Agilent	Agilent 8360 B-Series Manual	Swept Signal Generator Troubleshooting Guide	Hard copy trouble shooting guide for Agilent 8360B Swept Signal Generator
Agilent	Agilent 8360 B Users Guide	Swept Signal Generator Users Guide	Hard copy manual
Agilent	849X/1158X Manual	849X/1158X Attenuator Sets Operating Manual	Good condition hard copy manual
Agilent	9300 Power Sensor Manual	Hard copy Operating and Service Guide	Hard copy service guide for 9300 Power Sensor
Anacom	C-Band Transceiver Guide	Hard Copy Manual	Hard copy in ring binder
Anacom	KU Band Transceiver Manual	Hard Copy Manual	Hard copy manual for super extended KU Band frequency transceiver
Andrew	9M ESA Manual	Operation and Maintenance Manual	Andrew 237237 9.3M Antenna Maintenance and Operation Manual
Andrew	9M Test Procedures	9M C-Band in Plant Test Procedures	Hard Copy Manual describing the in plant test procedures for a 9M uplink station
Applied Telecom	1:1 Redundancy switch	Manual for Redundancy Switch	Hard copy manual for Applied Telecommunications 1:1 Redundancy Switch
Applied Telecom	9M Antenna Manual	Hard Copy Manual	Hard copy manual describing the uplink system of an Andrew 9.0 C-Band system.
Applied Telecom	9M Antenna Manual	Hard Copy Manual	Hard copy training manual for an Andrew 9M C-Band video uplink system.
Boonton	42B Test Meter Manual	Instruction Manual	Boonton MODEL 42B MICROWATT TEST METER MANUAL Instructions RING BOUND
Boonton	93A Voltmeter Manual	Instruction Manual	Hard copy Boonton MODEL 93A TRUE RMS VOLTMETER Instructions Manual RING BOUND, Good Condition

<b>Manufacturer</b>	<b>Part</b>	<b>Description</b>	<b>Notes</b>
California Amplifier	Hard Copy Manual	User Manual	California Amplifier ICS-75 Operation Manual for an Integrated Combiner Shelf
California Amplifier	Hard Copy Manual	User Manual	California Amplifier SDC-400 Installation Guide MANUAL C-Band Downconverter
California Amplifier	Hard Copy Manual	User Manual	California Amplifier (EFData) SDC-600 C-Band Upconverter Installation Guide
California Amplifier	Hard Copy Manual	User Manual	California Amplifier (EFData) SDM-6000 Installation Guide MANUAL Satellite Digital Modem
California Amplifier	Hard Copy Manual	User Manual	California Amplifier SMS-7000 Installation Modem Protection Switch USED Manual
California Amplifier	Hard Copy Manual	User Manual	California Amplifier UB-300 Installation & Operation Breakout Panel MANUAL USED
California Amplifier	Hard Copy Manual	User Manual	Miteq Block Downconverter Operation Manual Models DNB-3.7/7.5/11.2/11.325 (Bound)
California Amplifier	Hard Copy Manual	User Manual	Miteq C-Band Downconverter MODEL D-9322 70Mhz 2RU Used OPERATION MANUAL Binder
California Amplifier	Hard Copy Manual	User Manual	Climatronics Corporation MANUAL Electronics Modular Meteorological System BOUND
California Amplifier	Hard Copy Manual	User Manual	VSAT Plus II Data Card Installation and Operation Manual
Codan	Codan Hard Copy Manual	User Manual	Codan C-Band Ku-Band Hub-Mount SSPA for MODELS 5760/5712H/5940 SSPA MANUAL
Comsat	USC Up Converter Manual	Hard Copy Manual	COMSAT LABORATORIES USC and UCSU Hard Copy Up Converter Operations and Service Manual, good condition
Comtech - EF Data	CDM-550T Manual	Hard Copy Manual	Comtech EF-Data CDM-550T Satellite Modem Manual ring bound with reference for Firmware V1.19+
Comtech - EF Data	CDM-570(L) Manual	Hard Copy Manual	Comtech EF-Data CDM-570/570L Satellite Modem Installation and Operation Manual.
Comtech - EF Data	CDM-600 Manual	Hard Copy Manual	Comtech EFData CDM-600 Used Installation Manual
Comtech - EF Data	RC-1150 Manual	Hard Copy Manual	Installation and Operation manual in ring binder for the Comtech EFData RC1150/1250 Redundancy Switch Controller.
Comtech - EF Data	SCS-500 Manual	Hard copy Operating and Service Guide	EF Data SCS-500 Manual CONVERTER PROTECTION SWITCH Installation and Operation
Connect Tech Inc	Serial Communications	User Manual	Connect Tech Inc.INTELLIGENT SERIAL MANUAL FOR ADAPTERS w/ PART and Floppies
CPI	CPI CMPA manual	Hard Copy Manual	CPI CMPA Manual 010236245 Rev. 12 INSTALLATION AND OPERATION In Binder
CPI	TC-70 Manual	Installation and Operation	CPI TC70 SERIES Transceiver MANUAL Installation and Operation RING BOUND Used
CPI	TWT Combiner Manual	Installation and Operation Manual	CPI TWTA Manual POWER COMBINED AMPLIFIER Installation and Operation Guide BINDER
Dielectric	600/800 Dehydrator Manual	Installation and Operation	Dielectric 600/850 Series LETTERS A-D Manual COMPRESSOR DEHYDRATOR Installation
Dielectric	2400-3200 Manual	Hard Copy Manual	Dielectric 2400-3200 POrtable Air Dryers MANUAL Instruction and Operation USED
Digital	DL3800E manual	User Manual	Digital Link DL3800E Inverse Multiplexer User's Guide RING BOUND MANUAL Used
Environmental Tech.	ADH-2COM Manual	Installation and Operation Manual	ETI Environmental Tech ADH-2COM Dehydrator Manual MAINTENANCE AND OPERATION
HP	HP 3046A IF/BB	Manual for Selective Level Meter	Hard copy manual in good condition
HP	HP 3716 BB manual	Hard copy manual for BB transmitter	Hard copy manual in good condition

<b>Manufacturer</b>	<b>Part</b>	<b>Description</b>	<b>Notes</b>
HP	Microwave Link Analyzer Manual	Hard Copy Manual	Hard Copy Manual
HP	HP 3710A IF	Hard Copy Manual	Hard copy manual for baseband transmitter
HP	HP-141T Manual	Service Manual	HP Hewlett Packard 141T Service Manual VINTAGE MANUALS Printed 1970 RING BOUND
HP	HP 1645A Manual	Hard copy Operating and Service Guide	HP Hewlett Packard 1645A Data Error Analyzer OPERATING AND SERVICE MANUAL Used
HP	HP 197B Manual	Hard copy Operating and Service Guide	HP Hewlett Packard 197B Oscilloscope Camera Operating and Service Manual USED
HP	HP 3702B Manual	Hard Copy Manual	Hewlett Packard 3702B IF/BB Receiver Service Manual - Used RING BOUND
HP	HP 5340A Manual	Hard copy Operating and Service Guide	Hewlett Packard 5340A Frequency Counter Operating & Service Manual
HP	HP 5350-52B Manual	Service Manual	HP Hewlett Packard 5350-52B Microwave Frequency Counters SERVICE MANUAL Binder
HP	HP 8590 Manual	Programming and Operating Manual	HP Hewlett Packard 8590 Series Spectrum Analyzer Programmers Manual USED Binder
Hughes	HughesNet ISBN Manual	ISBN Course Manual	Hughes Net ISBN Course Manual Integrated Satellite Business Network BINDER Used
ITM Systems	ITM-141-38 Manual	1:1 High Power RF Switch Manual	Hard Copy Operation & Maintenance Manual
ITT Industries	KU Band LNA Manual	RF-2130 LNA Product Manual	Hard Copy ITT Industries KU-BAND LOW NOISE AMPLIFIER RF-2130 Series PRODUCT MANUAL Ring Bound
ITT Industries	LNAK-1100/1200 Manual	Switch Plate assembly Manual	Hard Copy ITT Industries LNAK-1100/1200 Switch Plate Assembly Installation Manual
ITT Industries	RCP-110/1200 Manual	Redundant Control Panel Manual	ITT Industries RCP-110/1200 OPERATION MANUAL Redundant Control Panel DWG 19747
Kaman	LNAK-100 Switch Plate	Assembly and Installation Manual	KAMAN LNAK-1100/1200 Switch Plate Assembly Installation Manual DWG 19750 USED
Kaman	RCP-1100/1200 Manual	Redundant Control Plate Manual	Hard copy manual for the Locus Redundant LNA Control plate
L3	L3 DC11M2-D5	L3 DC11M2-D5 User Manual	Hard Copy L3 DC11M2-D5 USER MANUAL for Ku-Band Downconverter LNR Slight Wear USED Binder
L3	L3 DC11M2-D5	L3 DC11M2-D5 User Manual	Hard Copy L3 DC11M2-D5 USER MANUAL for Ku-Band Downconverter LNR Slight Wear USED Binder
L3	DC4M2-D5 Manual	L3 DC4M2-D5 User Manual	Hard Copy L3 C-Band Downconverter manual
L3	8 Channel Smart Switch	Eight Channel Protection Switch	L3 Smart Switch Series USERS MANUAL Eight-Channel Protection Switch LNR/L3 Used
L3	UC6M2-D5 Manual	Users Manual	Users Manual for L3 C-Band Up-Converter
L3	L3 UPC-100-X/F MANUAL	UPC-100 UPC Manual	Hard copy users manual for the UPC-100 Uplink Power Control
L3	UPC-70 Manual	Operation and Maintenance Manual	L3 Communications Hard Copy Operations and Maintenance manual for Uplink Power Control model UPC-70
L3	UPC-70 Manual	Operation and Maintenance Manual	Hard copy manual for the LNR UPC-70
Leitch	680 Manual	Video Distribution Amplifier Manual	Hard Copy Leitch 680 Series Manual for VIDEO DISTRIBUTION AMPLIFIER Instructions USED
Liebert	Series 300 UPS	Installation Manual	Liebert Series 300 Three Phase Uninterruptible Power System INSTALLATION MANUAL



<b>Manufacturer</b>	<b>Part</b>	<b>Description</b>	<b>Notes</b>
LNR	DC11M-D5/D6 Manual	Users Manual	Hard Copy LNR Communications Model DC11M-D5/D6 USERS MANUAL for Down Converter BINDER
LNR	NC4-51 LNA Manual	Operation Manual	Complete hard copy maintenance manual for C-Band LNA
LNR	NC4-51 LNA Manual	Operation Manual	Hard Copy manual in binder for the redundant NC4 LNA series
LNR	8 Channel Smart Switch Manual	User Manual	Hard copy ring binder manual for LNR 8 Channel Protection Switch
LNR	UC14M2 Manual	KU Band Up Converter Users Guide	Hard copy bound Users Guide for the LNR KU band Up Converter
LNR	UC14M2 Manual	KU Band Up Converter Users Guide	Hard copy users guide for LNR KU Band Up Converters.
LNR	UC6L-D5 Manual	C-Band Up Converter Manual	Hard Copy loose leaf binder containing schematics and complete details of LNR C-Band Converter.
LNR	UPC-70 Manual	Uplink Power Control Manual	L3 Communications Hard Copy Operations and Maintenance manual for Uplink Power Control model UPC-70
LNR	UPC-70 Manual	Uplink Power Control Manual	Hard copy manual for the LNR UPC-70
LNR	UPC-100XF Manual	Hard Copy Manual	Hard copy Operations manual for Uplink Power Control
Locus	RF2130 Manual	Hard Copy Manual	Hard copy Operation and maintenance manual for Locus KU Band LNA
Mitec	MC2844-19669 Manual	Operation and Maintenance Manual	Mitec MC2844-19669 1:2 C-Band HPA Switching Network Controller O&M Manual
Miteq	Hard Copy Manual	User Manual	California Amplifier ICS-75 Operation Manual for an Integrated Combiner Shelf
Miteq	Hard Copy Manual	User Manual	California Amplifier SDC-400 Installation Guide MANUAL C-Band Downconverter
Miteq	Hard Copy Manual	User Manual	California Amplifier (EFDData) SDC-600 C-Band Upconverter Installation Guide
Miteq	Hard Copy Manual	User Manual	California Amplifier (EFDData) SDM-6000 Installation Guide MANUAL Satellite Digital Modem
Miteq	Hard Copy Manual	User Manual	California Amplifier SMS-7000 Installation Modem Protection Switch USED Manual
Miteq	Hard Copy Manual	User Manual	California Amplifier UB-300 Installation & Operation Breakout Panel MANUAL USED
Miteq	Hard Copy Manual	User Manual	Miteq Block Downconverter Operation Manual Models DNB-3.7/7.5/11.2/11.325 (Bound)
Miteq	Hard Copy Manual	User Manual	Miteq C-Band Downconverter MODEL D-9322 70Mhz 2RU Used OPERATION MANUAL Binder
Miteq	Hard Copy Manual	User Manual	Climatronics Corporation MANUAL Electronics Modular Meteorological System BOUND
Miteq	Hard Copy Manual	User Manual	VSAT Plus II Data Card Installation and Operation Manual
Paradise	Evolution Modem Manual	User Manual	Paradise Datacom MANUAL for Evolution Series Satellite Modems INSTALLATION Used
Paradise	HPAC-100 SSPA Manual	Hard copy Operating and Service Guide	Paradise Datacom Manual for HPAC-100 to 250-RM SSPA Operation January 2002 USED
Paradise	HPAC-200 Manual	End user Training Manual	Paradise Datacom MANUAL for HPAC-200A-RM Amplifier Training Manual RING BOUND
Paradise	P300 manual	Installation and Operation	There is a Paradise Datacom CD included with this manual
Paradise	RCP-1100 Manual	Installation and Operation Manual	Paradise Datacom RCP-1100/1200 Redundant Control Panel OPERATIONS MANUAL Used

<b>Manufacturer</b>	<b>Part</b>	<b>Description</b>	<b>Notes</b>
Pascall	4000 Power meter manual	Hard copy Operating and Service Guide	Pascall 4000 SERIES Selective Power Meter OPERATING MANUAL Binder Used
Prodelin	3.8M Assembly Manual	Installation Manual	Prodelin Corp. ASSEMBLY MANUAL 3.8M C & Ku-Band Rx/Tx ANTENNA SYSTEM May 2002
Radyne Comstream	Radyne Manual	Hard Copy Manual	Radyne Comstream DD240-DVB Digital Demodulator OPERATIONS MANUAL Binder USED
Radyne Comstream	Radyne Manual	Hard Copy Manual	Radyne Comstream DM/DD-160 Digital Modulator and Demodulator OPERATION MANUAL
Radyne Comstream	Radyne Manual	Hard Copy Manual	Radyne Comstream DVB-3030/3030L Digital Video Modulator OPERATION MANUAL Binder
Radyne Comstream	Radyne Manual	Hard Copy Manual	Radyne Comstream TECHNICAL OPERATIONS MANUAL I/O Interface Boards January 1992
Radyne Comstream	Radyne Manual	Hard Copy Manual	Radyne Comstream TECHNICAL OPERATIONS MANUAL RCS-5000 Binder
Radyne Comstream	Radyne Manual	Hard Copy Manual	Radyne Corp. OPERATIONS MANUAL Clock Distribution System Model Number CDS-780
Radyne Comstream	Radyne Manual	Hard Copy Manual	Radyne Corp. OPERATIONS MANUAL Digital Satellite Modem Model Number DMD-4500
Radyne Comstream	CM701 Manual	Hard Copy Manual	Comstream CM701 PSK Digital Satellite Modem Installation and Operation Manual
Raven Electronics	4160A Manual	Hard Copy Manual	Raven Electronics Corp DTMF Order Wire Manual 4160A-602/633 Paper Back
Satellite Systems Corporation	DC-4500 Manual	Hard Copy Manual	Satellite Systems Corporation INST MANUAL for 4500 L-Band to 70Mhz Downconverter
Specialty Microwave	1:1 DC Switch Manual	Installation and Operation	Specialty Microwave MANUAL FOR PN 9609-501 1:1 DC Switch Operation & Maintenance
Specialty Microwave	9609-502 Manual	Documentation Package	Specialty Microwave MANUAL FOR Part Number 9609-502, HPA Switching Documentation Package
Standard	Agile MT830BR Manual	Omni Global VU Manual	Hard copy Owners Manual for Standard Communications Model MT830BR with CAM830
Tektronix	2465A Oscilloscopes	Operators Manual	Tektronix 2465A/2455A/2445A Operator's Manual Oscilloscopes and Options Book
Tektronix	Oscilloscope Concepts	Basic Concept Manual	Hard copy bound introduction to the operation of Digital Oscilloscopes
Tektronix	465 Oscilloscope Manual	Instruction Manual	Tektronix MODEL 465 Oscilloscope Instruction Manual W/ OPTIONS S/N B250000 & UP
Tektronix	310-350 Oscilloscope Manual	Installation Manual	Tektronix TDS 310-350 Two-Channel Oscilloscopes INSTRUCTION MANUAL Ring Bound
Tiernan	TE6000A Manual	Installation Manual	Hard Copy Tiernan TE6000A MPEG2 Modular Encoder Installation and Operation Manual
TTC	TTC Hard Copy Manual	User Manual	TTC Fireberd 2000 AND 2000-1Remote Control Manual, RING BOUND, Used Slight Fray
TTC	TTC Hard Copy Manual	User Manual	TTC Fireberd 6000 Communications Analyzer USER'S GUIDE and Reference Manual USED
TTC	TTC Hard Copy Manual	User Manual	TTC FIREBERD T1/FT1 Data Interface Operating Manual Model 41440A Ring Bound USED
UPMACS	UPMACS Manual	User Manual	UPMACS Communications Inc. Manual with Software BINDER WITH CDs USED
Various/Misc	Hard Copy Manual	User Manual	California Amplifier ICS-75 Operation Manual for an Integrated Combiner Shelf
Various/Misc	Hard Copy Manual	User Manual	California Amplifier SDC-400 Installation Guide MANUAL C-Band Downconverter
Various/Misc	Hard Copy Manual	User Manual	California Amplifier (EFData) SDC-600 C-Band Upconverter Installation Guide
Various/Misc	Hard Copy Manual	User Manual	California Amplifier (EFData) SDM-6000 Installation Guide MANUAL Satellite Digital Modem
Various/Misc	Hard Copy Manual	User Manual	California Amplifier SMS-7000 Installation Modem Protection Switch USED Manual

Manufacturer	Part	Description	Notes
Various/Misc	Hard Copy Manual	User Manual	California Amplifier UB-300 Installation & Operation Breakout Panel MANUAL USED
Various/Misc	Hard Copy Manual	User Manual	Miteq Block Downconverter Operation Manual Models DNB-3.7/7.5/11.2/11.325 (Bound)
Various/Misc	Hard Copy Manual	User Manual	Miteq C-Band Downconverter MODEL D-9322 70Mhz 2RU Used OPERATION MANUAL Binder
Various/Misc	Hard Copy Manual	User Manual	Climatronics Corporation MANUAL Electronics Modular Meteorological System BOUND
Various/Misc	Hard Copy Manual	User Manual	VSAT Plus II Data Card Installation and Operation Manual
Vertex	8M Manual	Hard Copy Manual	Vertex Basic ANTENNA OPERATION AND MAINTENANCE MANUAL for 8.1 and 9.0M Antenna
Vertex	1230 Deicing Manual	Hard Copy Manual	Vertex Model 1230 Automatic De-Icing System for 9M,208VAC OPERATION MANUAL
Vertex	7134 ACU Manual	Hard copy Operating and Service Guide	Vertex Model 7134 Antenna Control System Operation and Maintenance Manual CG1023
Vertex	RSI Rainblower Manual	Hard Copy Manual	Vertex RSI Rain-blower Operation Manual CG-1152 Controls and Structure Division
Vertex	TRL-1S Manual	Hard Copy Manual	Vertex RSI TRL-1S Tracking Receiver OPERATION MANUAL Controls & Structure Division.

### Misc/Parts

Adtran	28 Port Patch Panel	Adtran 28 Port Patch Panel	Adtran 28-Port BNC - Female Network Patch Panel 1RU DSX-1 for MX2800 or MX2810
Airtron	ABS-15C-159-1	WR159 C-band Wall/Building Entrance	C-Band waveguide building interface WR159
Andrew	1IN Heliac Building Bushi	1in Heliac Building Entrance Bushin	Andrew HELIAX WALL BUSHING 1 Inch Entrance Fitting RUBBER Waveguide Accesories
Comtech - EF Data	CIC-50 Converter	T1/E1 Interface Converter	The CIC-50 works with CDM series modems and converts the output to T1 and E1 format.
Dielectric	A24815-15	Solenoid Valve Kit	Dielectric Communications Solenoid Valve Kit A24815-15
EBM	W2G115-AB16-13	12V Fan	P/N: W2G115-AB16-13,Voltage: 12 VDC,Current: .5A/6W,CFM: 110 No. of Blades: 7Metal blades & frame, 43db noise, Ball bearings
Foxcom	7000M/S	Fiberoptic Transmission and Receive	Fiberoptic Transmission and Receiver System
Locus	RF-2130-100-60-C	1:1 Ku LNA set with plate attachmen	KU Band LNA. +12VDC to +28VDC Power. Some are labeled Locus, others are labeled Kaman
Micron	MT4LSDT1664HG-13ED1 SD-RA	128MB SD-RAM	Micron 128MB SD-RAM Module Card P/N MT4LSDT166HG-13ED1 PC100 and PC133 Compliant
Narda	PART 14254 ASSY 410014254-4	6VDC Power Supply board for L3-LNR Converters	New 6VDC power supply card for L3 and LNR up and down converters.
Paradise	L20272-1 Microprocessor	Microprocessor for Paradise SSPA	Spare processor boards for Paradise 200 watt C-Band SSPA
Transcend	MEM3745-128CF	128MB Compact Flash Card for Cisco	Transcend COMPACT FLASH 128MB Industrial DMA Mode 3.3v 80x Flash Card USED
US Robotics	Total Control Display	Rack Number Display Screen for Netw	US Robotics Network HUB Control Display Screen RACK NUMBER DISPLAY LED Used
US Robotics	1.012.0232-E	HiPER Ethernet NIC Card	US Robotics Ethernet NIC Card.jpg
US Robotics	1.012.0309	HiPER Network Management Card	US Robotics Network HUB Network Management Card P/N 1.012.0309 LED Display Used
US Robotics	1.012.0386-D	HiPER Access Router Card	US Robotics Network HUB HiPER Access Router Card P/N 1.012.0386 LED Display Used
US Robotics	1.012.0492-B	HiPer DSP Card	US Robotics Network HUB HiPER DSP Card P/N 1.012.0492 LED Display Used

Manufacturer	Part	Description	Notes
US Robotics	1.012.0506-D	HiPer DSP T1/E1 NIC Card	US Robotics Network HUB HiPER DSP T1/E1 NIC Card P/N 1.012.0506 LED Display Used
Various/Misc	Condor MODEL NO CP1319	24VDC Power Supply for UpConverter	Brand new 24VDC power supply for use in LNR/L3 up and down converters.

### Modem 70Mhz

Comsat	CLA-2000	Internet and link accelerator	IP Accelerator by Comsat Labs, now part of Viasat
Comtech - EF Data	CDM-550	70MHz Satellite Modem	Basic modem at a low price. With the following options, 2Mb, Turbo, QPSK 3/4
Comtech - EF Data	CDM-550	70MHz Satellite Modem	Turbo feature, 70MHz Modem
Comtech - EF Data	CDM-IP 550	IP Satellite Modem	140 MHz, 2Mb IP modem
Comtech - EF Data	SDM-300	70 MHz Modem	SDM-300 512KB, QPSK, EIA
Comtech - EF Data	SDM-6000	70 MHz Modem	2 Mb modem with the following options QPSK, 2 Mb, G707, IDR, IBS, D+I, Asyn, AUPC
Comtech - EF Data	SDM-650 Modem	70 MHz Modem	This modem is defective and sold for parts - no warranty
Comtech - EF Data	SDM-650B	70 MHz Modem	Serial Number 7079 modem is defective, reboots, but it does produce 70 MHz CW carrier, and be useful for parts.
Comtech - EF Data	SDM-300A	70MHz Satellite Modem	512Kb,2Mb QPSK Reed Solomon
Comtech - EF Data	CDM-600	QPSK, TPC	SCPC Modem with options: 10Mb, LDPC, TPC, 8QAM
Comtech - EF Data	CDM-600	QPSK, TPC	70MHz, they have different options ask for specific information about each modem.
Comtech - EF Data	CDM-570	70MHz Satellite Modem	SCPC Modem with 5Mb, TPC, QPSK
Comtech - EF Data	SDM-2020D	70 MHz Demodulator	QPSK plus Reed Solomon - several are labeled "Adaptive Broadband"
Comtech - EF Data	SDM-9000	70 MHz Legacy Modem	Modems are tested prior to shipping. Hard copy manual is available at no extra cost.
Datum	PSM-4900	70 MHz Satellite Modem	Turbo Code, 5 meg, 70 mhz satellite modem. tests OK
Radyne Comstream	CM701	Various options available	Unused Radyne Comstream CM701 satellite modem, complete with cables and manuals.
SSE	SM2000	Satellite Modem	Tested at 70 MHz with clean carrier and 2048 modulated both were clean. However there is an modulator alarm showing. Perhaps a configuration error.
SSE	SM3000 Modem	Satellite Modem	Tested with modulated output and CW, both are good. 2Mb, 70 Mz. QPSK modem

### Modem Lband

Comtech - EF Data	CDM-625	Lband and 70 MHz Modem	70MHz only, 8PSK/8QAM, D+I, 5Mb, LDPC/TPC, CnC card - no license, 1.1Mb Versa FEC, Open Net Frame, RS-422/EIA-530 LIKE NEW
Comtech - EF Data	CDM-625	Lband and 70 MHz Modem	Used Comtech EFData CDM-625 modem, L-Band and 70MHz, 8PSK/8QAM, 10Mbps, LDPC/TPC, CnC card with 10mbps license, 1.1Mb Versa FEC,
Comtech - EF Data	CDM-570L	L-Band SCPC Modem	Used 5Mb Modems with TPC, IP Mod-V1, Hdr Comp., Data Comp., IP QOS, 3 * DES, Vipersat, 24VDC BUC power supply

Manufacturer	Part	Description	Notes
Comtech - EF Data	CDM-570L	L-Band SCPC Modem	Brand New 5Mb Modem with TPC, IP Mod-V2, Hdr Comp., Data Comp., IP QOS, 3 * DES, Vipersat, 24VDC BUC power supply
iDirect	iNfiniti 7350	7350 infiniti modem/Router	Guaranteed working condition - 6 months warranty, Generates the 24 Volt DC BUC power supply and 10 MHz Reference.
iDirect	Evolution X5 Satellite Router	High-speed, High-performance IP Broadband Modem	iDirect Evolution X5 modems are unlocked and guaranteed in excellent working condition. We can sell them individually or discounted price for quantity
iDirect	Evolution X3 Satellite Router	High-speed, High-performance IP Broadband L-band	We have a quantity of used modems, none of the trays are left, the rest are stand alone. They have power supplies, unlocked and tested.
Radyne Comstream	DT7000	L-Band DMOD, 140MHz	L-Band Modem, 2Mb, QPSK, IBS

### Modem Parts

Comtech - EF Data	PL/5305-1 Overhead Card	SDM-300A Overhead Card	Overhead cards for Comtech EFData SDM-300A modems, Part number PL/3505-2/1
Comtech - EF Data	PL/6284 Reed Solomon Card	Incomplete Reed Solomon cards	Two card Reed Solomon option set for Comtech EFData SDM-300 series modem.
Comtech - EF Data	PL/9394-1 Turbo Card	Codec Turbo Card for SDM-300/300A	Turbo option cards for Comtech EFData SDM-300 and SDM300L modems.
Comtech - EF Data	SDM-300 Chips	P/N 6535-1AW/6094AN	Chips for SDM-300 turbo option.
Comtech - EF Data	UB-300 Breakout Panel	Universal Breakout Panel with Cable	Connector to adapt different cable and interface types to Comtech EFData modems.
Comtech - EF Data	PL/5509	SDM-300A 50 Pin Data Interface	Comtech EF Data SDM-300A 50-Pin Data Interface
Comtech - EF Data	PL/6032-1	SDM-300A V.35 Data Interface	These interfaces are used with SDM-300 series modems to convert the DV25 serial port to a winchester connector.

### Modulator 70Mhz

Comtech - EF Data	SDM-2020M	70 MHz DVB Modulator Digital Video/high speed data	High Speed DVB modulator with ASI input - labeled California Amplifier.
Radyne Comstream	DM-160	70MHz Modulator	100 Mb, QPSK. 8PSK, 16QAM, HSSI.

### Modulator Lband

Advantech	AMT-75	L-Band and 70MHz DVB-S2 Modulator	L-band and 70 MHz output. DVB-S, DVB-S2, QPSK, 8PSK, ASI input, 140 Mbps No BUC P/S or 10MHz
Newtec	NTC/2280 DVB-S2 Modulator	L-band 68 Mbaud data rate	Up to 68 Mbaud data rate transmission of satellite services such as broadcast, distribution or contribution of Digital TV
Upcom Technologies	UPCOM UC-250L2	L-Band DVB-S/S2 Modulator	We have a pair of Upcom DVB-S2 modulators. They have full range L-Band output plus 10 MHz plus 24VDC BUC power supply

### Multiplexer

CAC	Wide Bank 28	DS3 Multiplexer	DS3 telephony multiplexer. 45 Mbps, 48VDC. DS3 line is equal to approximately 672 regular voice-grade telephone lines.
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<b>Manufacturer</b>	<b>Part</b>	<b>Description</b>	<b>Notes</b>
Comtech - EF Data	M-2000	EF Data M-2000 Multiplexer	We have three used EFData M-2000 multiplexers. We guarantee them to be in good working condition.
I.L.C.	fep186	Front End Processor	Industrial Logic Corporation Front End Processor, 4 port transmit and receive.

### Networking Equipment

Adtran	DSU-IQ	Part No 1200.212L1	This unit terminates voice and data from a mixed mode Frame Relay circuit.
Adtran	TSU LT	Part No. 1202.060L1	Used to connect a local network to a T1 telephone circuit

### Patch Panel

ADC	Audio Patch Panel	Analog Audio Patch Panel	ADC Analog Audio Patch Panel TV/AUDIO EQUIPMENT Used 2RU 48-Port QCP MKIV
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### Phase Combiners

Apollo	15192	115 VAC Power Combiner	Phase Combiner Used with KU Band TWTA - they are sometimes called Variable Power Combiners
Varian	VPC	Ku-Band Variable Phase Combiner	Variable Phase Combiner for 300 watt KU Band TWTA

### Power Meters

Pascall	4007 Power Meter	Selective Power Meter48-60Hz100-120	Test prior to shipping
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### Power Supplies

Codan	5583	Codan 5583 Transceiver Power Supply	Codan power supply for transceivers. This one has never been used, but does not have the cable set.
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### Protection Switch

Applied Telecom	9609-501	1:1 Protection Switch	RF protection switch, dual power supply, automated or manual operation.
Applied Telecom	9650-500	4-Way RF Switch	Four way RF Switch, connections are made using SMA connectors
Varian	VJC-6767D5N	TWTA Switch Controller P/N 112022-0	Originally used to direct the output of a 300 watt Varian KU band TWTA

### Redundancy Switch

Comtech - EF Data	SMS-451E	Modulator/Demodulator Switch	The SMS-451E 1:1 ECL Modem Protection Switch (Figure 1-4) is a fully automated 1:1 ECL protection switch for Comtech EF Data SDM-9000 and ECL/HSSI
Comtech - EF Data	SMS-7000	M:N Redundancy Switch	EF Data Modem Redundancy Switch
IDB	RS40-11-U	Up Converter Protection Switch	Redundancy - protection switch for up converters.- SMA connectors

Manufacturer	Part	Description	Notes
IDB	IDB RS40-11-D	Downconverter Protection Switch	Down Converter redundancy switch.
LNR	015844-1	LNR RF Switch	Redundancy switch for up to eight LNR up or down converters.
Locus	RCP-1100	SSPA Redundancy Control Panel	LNA redundancy switch, with dual power supply. This unit is offered with a 60 day money back guarantee.
Locus	RCP-1100	SSPA Redundancy Control Panel	Kaman redundancy switch does not power up and is sold for part.
MCL	MX5012	MXC 1:2 TWTA Controller	1:2 Redundancy controller for MX5000 TWTA amps.
Radiation Systems Inc	3600	C-band Frequency Converter Protection Switch	1:1 Protection Switch with N Type Connectors
Radyne Comstream	RCS-11	Redundancy Control Switch	Redundancy protection for all DMD15, DMD20, DMD50 and DMD2401 satellite modems and DVB series of Digital Video Modulators and Demodulators
Radyne Comstream	RCU-108	1:8 Redundancy Control Unit	The Radyne ComStream RCU108 1:N Redundancy Control Unit provides backup protection for any number of converters ranging from 2 through 8.

### Satellite Receiver

Scientific Atlanta	9630	Integrated Video Receiver	Untested but sold with a DOA money back guarantee.
Scientific Atlanta	9640	Integrated Video Receiver	Untested but guaranteed not DOA

### Spectrum Analyzer

LP Technologies	LPT-3000	Ethernet Remote Spectrum Analyzer	Internet Enabled remote spectrum analyzer. With four separate IF inputs, this package can remotely monitor dozens of individual carriers.
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### Splitters & Combiners

Anaren	42030	2-Way Power Divider 4-12 GHz	C-Band frequency range with SMA connectors 4-12 GHz
Anaren	42100	1:2 Splitter	2:1 splitter combiner, frequency range 2 - 18 GHz, SMA Female connectors
Arra INC.	A6200-8	8-Way Power Combiner	1 to 8, splitter combiner with SMA connectors, 7200-8400MHz
Arra INC.	N5200-2Z	2-Way Power Divider 5.9-6.4 GHz	RF Splitter, N connectors C-Band frequency range
ATM Microwave	P225C2	2-Way Power Divider 5.85-6.5GHz N-F	C-Band 1:2 RF splitter, Frequency range 5.8GHz to 6.8GHz - still in original package.
DEV	2208 -50	L-Band 8 Port Splitter	Used L-band 8:1 combiner with SMA connectors at 50 Ohm. Some cosmetic damage to the mounting ears, otherwise in perfect working condition
LNR	PD4 Power Divider	LNR 4-Way Power Divider N(F)-N(F) 3	LNR Communications 4-WAY Power Divider PD4 3.7-4.2GHz N-FEMALE Connectors
MCL	ZFT-1.5-1	RF Transformer 50 Ohms 0.1 to 400 M	50 to 75 Ohm impedance converter
MCLI	PS4-27	4-way power combiner	4 way splitter/combiner with frequency range 0.4-2.7GHz MCLI 4-Way Power Combiner SMA-Male and Female Connectors

Manufacturer	Part	Description	Notes
MCLI	PS8-77	8-way power combiner with terminato	We have several different model numbers for the 8 port splitter/combiners. Many have SMA connectors.
Menlo	27C3021	MLA-4017 2-way combiner	This is either a power combiner or a line amplifier.
Mini Circuits	ZFDC-20-3-75	Directional Coupler 75 Ohm 10-250 M	Mini-Circuits ZFDC-20-3-75 SMA Splitter Directional Coupler 75Ohm 10-250mHz
Mini Circuits	ZASC-2-1-75-4	2-way Splitter	2 port IF splitter combiner with BNC connectors
Mini Circuits	ZFSC-2-1	2-Way Power Splitter/Combiner 50 Oh	Mini Circuits ZFSC-2-1 2-WAY Power Splitter/Combiner 50 OHMS 5-500Mhz, SMA-Female connections
Mini Circuits	ZFSC-2-1	2-Way Power Splitter/Combiner 50 Oh	Unused 75 ohm IF two port splitter, with BNC connectors
Mini Circuits	ZFSC-2-1-75	2-way power splitter/combiner 75Ohm	Mini Circuits ZFSC-2-1-75 2-WAY Power Splitter/Combiner 75 OHMS 0.25-300Mhz. BNC connectors.
Mini Circuits	ZMAS-1	Coaxial Attenuator Switch 5-450mHz	2 port splitter, ideal for 70 MHz applications
Mini Circuits	ZSC-2-1-75	Power Splitter/Combiner75 ohms .25-	We have a box of Mini-Circuits ZSC 2-1 Two Port Splitter Combiner, 50 Ohms, 5-500MHz - if you need multiples we can discount the prices.
Mini Circuits	ZSC-2-1-75	Power Splitter/Combiner75 ohms .25-	75 ohm 2 for 1 power splitter with BNC connectors.
Mini Circuits	ZSC-2375	Power Splitter/Combiner 75 Ohms 55-	Mini Circuits ZSC-2375 TWO-WAY Power Splitter/Combiner 50 OHMS .55-85Mhz BNC-F
Mini Circuits	ZSC-4-1-75	Power Splitter/Combiner 75 Ohms 1-2	Mini Circuits ZSC-4-1-75 FOUR-WAY Power Splitter/Combiner 75 OHMS 1-200Mhz BNC-F
Mini Circuits	ZFSC-2-1W-75	2-way Power Splitter/Combiner75Ohms	Mini Circuits ZSC-2-1-75 2-WAY Power Splitter/Combiner 75 OHMS 0.25-300Mhz BNC-F
Mini Circuits	ZFSC-6-1-75	Power Splitter/Combiner 6-way75Ohms	Mini Circuits ZFSC-6-1-75 6-WAY Power Splitter/Combiner 75 OHMS 1-200Mhz BNC-Female
Mini Circuits	ZFSC-8-1-75	Power Splitter/Combiner 8-way75Ohms	Mini Circuits ZFSC-8-1-75 8-WAY Power Splitter/Combiner 75 OHMS 0.5-175Mhz BNC-F connectors.
Mu-Del Electronics	MPD-3742-4 Frequency Comb	N-type Frequency Combiner	Four port C-Band Splitter/Combiner
Narda	3324-2	2-Way Power Divider -8 GHz N(F) Con	Narda Two-Way Power Divider MODEL NUMBER 3324-2 N-Type 2-8GHz .2/3dB Amp Bal
Panatron	T10603-1 Power Divider	2-Way Power Divider 3.625-4.2 GHz	2 port RF divider C-Band RX frequency. PN T10603-1 3.625-4.2GHz F-Type Connectors 20dB
Various/Misc	2-Way Power Divider	Various Manufacturers & Frequency R	Two port power dividers/splitters with Type N connectors.

### Switch

Square D	GNG-6 9012	Industrial Pressure Switch	Square D INDUSTRIAL PRESSURE SWITCH P/N GNG-6 480VAC 10AMP 4.2 to 22 PSIG 9012 spare part for Dielectric dehydrator
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### Telephone Equipment

Adtran	TSU ACE	Part No. 1200295L1	Compact, full-featured T1 channel service unit used to connect T1 data terminal equipment (DTE) and T1 facilities. Unit has AC power
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Manufacturer	Part	Description	Notes
Digiboard	1291	Digiboard 1291	Digiboard 1291 Telephony Board SPARE INTERFACE Used
Ditech Communication	QUAD E1 Echo Canceller	Assembly No 01002720 (120 Ohm)	Echo canceler for Quad E1 telephone circuits
Memotec	CX900	Frame Relay Unit	The CX900e modular remote access switch provides users with flexible WAN connectivity from remote offices by acting as an analog modem or FRAD
Mitel	Smart One PAV	Smart Dialer	Mitel SMART-1 PAV 4-Port Module Positive Account Verification WITH CHAINING Used
Quintum	ASM-400	Tenor AS Series VoIP Gateway	Four port FXO/FXS VoIP telephone conversation router
Telcom Research	Globenet ASX-JA	Bulk lot of 9-Units Smart Telephone	Lot of 9 Telcom Research telephone dialers with power supplies
TTC	DS1/D4/Fe	TTC Fireberd DS1/D4/Fe Interface Ad	TTC-Acterna 41696 DS1/D4/FE Interface Adapter DSX Aux outputs, 1/2 Rack Mount
TTC	DS1/T1 D4	DS1/T1 D4 Framing Interface Adapter	TTC-Acterna DS1/T1 D4 Framing Interface Adapter Module TEST EQUIPMENT Used
TTC	RS-232	Fireberd RS-232 Isochronous Interfa	TTC-Acterna Model 40232 INTERFACE RS-232 Synchronous Module for FIREBERD 2000
TTC	RS-232 DTE/DCE	Fireberd Option DTE/DCE Interface A	TTC-Acterna Model 40236 RS-232 DTE/DCE Interface Adapter Module for FIREBERD
TTC	RS449 DTE/DCE	RS449 DTE/DCE Adaptor	TTC-Acterna Model 40200 RS-449 DTE/DCE Adapter Module for FIREBERD 4000 & 6000

### Test Equipment

Agilent	E4418B	Power Meter	** SOLD** Tested and working, not recently calibrated, does not include power head, ask for power head price.
Agilent	E4401B	Spectrum Analyzer 9 KHz to 1.5 GHz	Not Calibrated, but in excellent condition, frequency range of 9KHz to 1.5MHz perfect for monitoring L-Band frequencies.
Agilent	83620B	Synthesized Sweeper 10MHz-20GHz	Guaranteed working condition
Agilent	5087B	Wideband Distribution Amplifier	1 input and 12 output channels, used to distribute reference frequency over twelve devices. Tested working at 10 Mhz, but alarms still show
Boonton	93A	True RMS Voltmeter	Guaranteed in good working condition
Boonton	42B	Microwatt Test Meter with Power Sensor	Complete with power head, and if used with the correct attenuation can measure up to 95 Watts. Hardcopy manual included.
DigiSat Pro	Skytracker Pro II	Digital Satfinder Kit and Case	Tested and works well on A/C power but the internal battery needs to be replaced
Dolch	Dolch PAC 64	Network Sniffer and Analyzer	This unit turns on, but reports a missing keyboard. The keyboard is also the front cover and so the unit is not complete.
HP	01645-66524 Card	RS 232 Interface Card	HP Hewlett Packard Part No. 01645-66524 RS 323 INTERFACE CARD Agilent USED
HP	3750A Attenuator	Selectable Attenuator 0-99dB dc-100	Not Calibrated, but in excellent condition
HP	437B Power Meter	Power Meter w/ options	Power Head is not included
HP	HP 1645A	HP 1645A Data Error Analyzer	Choice of three units available.

Manufacturer	Part	Description	Notes
HP	HP 3702B	IF/BB Receiver with 3705A Diff Phas	This unit is untested.
HP	HP 436A	Power Meter HP436A with HP8481A Sensor	This RF Power Meter does not have a power head.
HP	HP 5340A	Frequency Counter Option 001 + 11 1	Tested and guaranteed working.
HP	HP 5350B	HP 5350B Microwave Frequency Counter	The modem is only shown with the frequency generator but is not part of the sale.
HP	HP 8593E	Spectrum Analyzer 9KHz 22GHz	22GHz Spectrum Analyzer just returned from refurbishing and calibration. Certificate is available.
HP	HP 8595E	HP 8595E Spectrum Analyzer 9KHz to 6.5 GHz	Excellent working condition, but not recently calibrated. Full calibration can be performed for an additional cost.
HP	HP 5087A	Distribution Amplifier	These amplifiers have three inputs and twelve outputs, they are normally used to synchronize several devices with a common reference frequency.
Miteq	DN-14-12	Test Translator; 14/12 GHz	Test loop translator this a 2RU system.
Miteq	DN-14-12	Test Translator; 14/12 GHz	DNS-14-12-LC, Rack mount test translator with transmit frequency range of 14.0 to 14.5 GHz, offset frequency of 2300 MHz.
NoiseCom	UFX7108	Programmable Noise Generator	100Hz-500MHz Programmable Noise Generator
Specialty Microwave	RF Test Switch Matrix	RF and LNA test switch	This is a test set used for switching amplifier and LNA products.
Systron Donner	6530	6530 Microwave Counter	10Hz to 26.5 GHz range. This frequency counter will need calibration.
TTC	V.35 DTE/DCE	Interface Adapter	TTC-Acterna Model 40202 V.35/306 DTS/DCE Adapter for FIREBERD 6000 & 6000A Used
TTC	Fireberd 2000	Data Error Analyzer	Tested and guaranteed working - options available
TTC	Fireberd 6000A	Data Error Analyzer	Ask about option cards for this analyzer
TTC	41440A T1/FT1	T1/FT1 Interface Adapter	TTC Mo. 41440A T1/FT1 Interface Adapter for FIREBERD 6000 Communication Analyzer

### Uplink Power Control

L3	UPC-100M	Uplink Power Controller Part No 506	The price of the UPC include a single 70 MHz attenuator. Additional attenuators are sold separately.
LNR	UPC-100	Uplink Power Control: Assy No. 506017253	70 MHz Uplink power controller, sold with one IF attenuator
Miteq	UPC-A	Uplink Power Control	Miteq UPC-A adjusts the strength of uplink signals at IF frequencies to compensate for varying weather conditions.

### Vectorscope

Test Equipment	1725	PAL/NTSC Vector Scope	TV test set for PAL and NTSC broadcast types. This consists of a combination of Tektronix 1710 and Tektronix 1725
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### Video Equipment

Blackmagic	Atem1 Broadcast Panel	Physical control panel for audio visual broadcasts	ATEM 1 M/E Broadcast Panel, a professional panel with the highest quality buttons, knobs and controls for the most demanding live24/7 live production
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<b>Manufacturer</b>	<b>Part</b>	<b>Description</b>	<b>Notes</b>
Blackmagic	ATEM 1 M/E Production Studio 4K	Advanced Live Production Switcher	Create stunning multi camera live production with the world's most advanced production switchers! ATEM switches between SD, HD or Ultra HD video
Blackmagic	GPI and Tally Interface	Add Tally to an ATEM switcher	With 8 contact closure tally outputs, you can send a tally signal to your cameras, replay machines and monitors everyone knows which camera is on-air.
Blackmagic	HyperDeck Studio 2	HD disk recorder that lets you record forever!	Introducing the world's first uncompressed HD disk recorder that lets you record forever! HyperDeck Studio features dual SSD slots.
Blackmagic	SmartView Duo	Two large 8 inch LCD screens in a compact rack	The HD version of SmartVideo Duo handles all SD, HD and 3 Gb/s SDI video standards, and all screens can be remotely adjusted via your ethernet network
Blackmagic	SmartView Duo	Two large 8 inch LCD screens in a compact rack	Two large 8 inch LCD screens in a compact rack mount design less than an inch thick! SmartVideo Duo handles all SD, HD and 3 Gb/s SDI video standards
Blackmagic	Livestream Broadcaster	Encodes video and audio signals from cameras	Encodes video and audio signals from cameras and switchers and streams them to Livestreams service without connection to a computer.
Blackmagic	Smart Videohub 40X40 SDI Router	40 multi rate 6G-SDI inputs + 40 multi rate out	Features 40 multi rate 6G-SDI inputs and 40 multi rate 6G-SDI outputs that support auto switching of SD, HD and Ultra HD formats.
Blackmagic	ATEM Studio Converter 2	SDI Video Input, SDI Video Output	1 x 10 bit SD/HD switchable program input from switcher, including tally information. 4 x 10 bit SD/HD switchable camera outputs.
Blackmagic	ATEM Studio Converter 2	SDI Video Input, SDI Video Output	ATEM Studio Converter is the ideal partner for the ATEM Camera Converter. Connect up to four Camera Converters via optical fiber up to 28 miles
Blackmagic	Smartview 4K Ultra HD Monitor	Ultra HD resolution LCD rack mount monitor	Large, bright 15.6 inch monitor, Multi rate dual 12G-SDI connections, auto switching SD, HD and up to 2160p60 Ultra HD formats.
Blackmagic	ATEM Production Studio 4K	Ultra HD 4K live production switcher	Push the standards of live content production beyond broadcast quality! Ultra HD 4K cameras, projectors and super large screens
Blackmagic	ATEM Television Studio	Create professional multi camera production	Imagine creating your own live multi camera productions with your own professional, broadcast quality switcher
Blackmagic	ATEM Camera Converter	Battery Powered Optical Fiber Converter	Camera converters must be used in pairs or with a Studio Converter, optical fiber camera connections, with Talkback and Tally connectors
Blackmagic	Cinema Camera PL	New PL lens mount options for the classic camera	The world's smallest super wide dynamic range PL mount 2.5K digital film camera. 13 stops of dynamic range, built in RAW and ProRes SSD recorder
Blackmagic	Production Camera 4K	4K Super 35mm sized sensor with global shutter	Super 35 size sensor with professional global shutter, EF mount optics, visually lossless compressed CinemaDNG RAW and Apple ProRes 422 (HQ) recording

<b>Manufacturer</b>	<b>Part</b>	<b>Description</b>	<b>Notes</b>
Blackmagic	Pocket Cinema Camera	pocket sized Super 16 digital film camera	Blackmagic Pocket Cinema Camera takes all the high quality features of a professional digital cinema camera in incredibly small size micro 4/3 lens mount
Blackmagic	Cinema Camera - MFT	Passive Micro Four Thirds (MFT) mount	Passive Micro Four Thirds (MFT) mount! Perfect for MFT lenses or even adapters to other lens mounts such as PL series.
Blackmagic	Smartview HD	17" LCD monitor full resolution HD	17" LCD screen that lets you monitor SD, HD and 3Gb/s SDI video in full resolution HD. 6RU rack mountable design
Blackmagic	ATEM 2ME Broadcast Panel	Physical control panel for audio visual broadcasts	ATEM 2 M/E Broadcast Panel has the power for the most complex live broadcast events. Shown with optional HD monitors
Blackmagic	Audio Monitor	Blackmagic Audio Monitor in 1RU	Audio Monitor has been designed as both an audio and video monitoring solution so you get advanced 6G-SDI in, as well as balanced XLR analog audio
Blackmagic	Multidock	Four Disk Docking Station	MultiDock is the perfect solution for mounting your media disks onto your Thunderbolt and Thunderbolt 2 based computer.
Blackmagic	Multiview 16	Monitor 16 SDI sources with an Ultra HD monitor	Monitor up to 16 SDI sources using an Ultra HD monitor or television so you get twice the resolution. monitors from SD, HD or Ultra HD-SDI sources
Blackmagic	Multiview 16	Monitor 16 SDI sources with an Ultra HD monitor	Monitor 16 SDI sources using an Ultra HD monitor or television so you get twice the resolution per view! Monitor from SD, HD or Ultra HDSDI sources
Blackmagic	Smart Videohub 12X12	Ultra HD mixed format router	Smart Videohub 12 x 12 is the world's most advanced Ultra HD mixed format router with built in control panel and monitoring
Blackmagic	Smart Video Hub 20X20	advanced Ultra HD mixed format router	Smart Videohub 20 x 20 is a larger advanced Ultra HD mixed format router with built in control panel and monitoring
Blackmagic	Video Hub Master Control	Selection of router sources	Videohub Master Control lets you scroll your router sources and destinations with the easy to use spin knob control or via direct button entry.
Blackmagic	URSA Cinema Camera - PL	URSA camera body with the PL lens mount	Large 4K Super 35 image sensor with global shutter and the film industry PL Lens mount installed. Effective Resolution 3840 x 2160, 4000 x 2160 RAW
Blackmagic	URSA Cinema Camera - EF	URSA camera with the EF lens mount	EF lens mount and 4K Super 35 image sensor with global shutter installed. The EF lens mount includes active lens control for compatibility.
Blackmagic	Studio Camera HD	Live production Studio camera	10x viewfinder, MFT lens mount, 4 hour battery, talkback, tally indicators, phantom microphone connections and built in optical fiber and SDI connect
Clarent	SDM-9400	Clarent Netperformer FRAD	Clarent Netperformer SDM-9400 Frame Relay Access Device (FRAD) also known as a Lucent Cleartrac V410

Manufacturer	Part	Description	Notes
Divicom	Media View MV15	Satellite DVB MPEG-2	Satellite DVB MPEG-2 Encoder - 30-day Warranty
Ipitek	MSP-110	Video Transmission Equipment	Encodes and decodes analog baseband video and efficiently transports DVB-ASI plus RS-232 async over a simplex or duplex fiber link.
Ipitek	MSP-110	Video Transmission Equipment	Baseband video and HDTV (19.4 Mb/s) on one fiber. This unit is a decoder only.
LNR	Analog Video Modulator	1 RU Analog Video Modulator	Analog Video Modulator - Model LVM 70
Sola-Sat	EHDMP-4	Encoder, High Def, MP4, ASI out	New HD MPEG4 encoder with ASI output
Sony	BVR-55/BVR-50	Remote Control Units	Video remote control unit manufactured by Sony, combination of U-Matic and Beta
Tiernan	TDR3000	MPEG2 Decoder	MPEG2 Decoder, DVB-S, ASI Common Interface
Tiernan	TDR777	MPEG IRD	The TDR777 receives/decodes video and audio at programmable DVB QPSK symbol rates from 2 to 30 MSps. The output includes one NTSC or PAL composite

### Waveguide

Airtron	AT-15-B-158-72IN	72IN WR 159 Flex Twist Waveguide	72 inch twist flex wave guide with WR159 flange.
Andrew	WR159 Bushing	WR159 Waveguide Bushing	Andrew WR159 WALL BUSHING Elliptical Entrance Fitting RUBBER Waveguide C-BAND
Andrew	12IN WR159	12In Flex Twist WG with CPR159G Connector	12 inch C-Band Flex waveguide with WR159 Flange
Andrew	55402-137-3	WR137 E-bend Rigid Waveguide	Three inch dent tuned WR137 waveguide, 45 degrees
Andrew	55404-159-3	WR159 E-bend Rigid Waveguide 3	Brass waveguide, 45 degree, WR159, three inches
Andrew	F159PC02-40CA	24IN WR159+143 Flex Twist WG CPR159	Unused 24 inch WR159 C-Band Flex waveguide
Andrew	F229PC03-60CA	36IN WR229 Flex Twist Waveguide 3.5	36" C-BAND twist flex waveguide with WR229 flange
Andrew	15DET	Heliac Elliptical Waveguide Connect	Unused elliptical waveguide connector kit.
Andrew	252	Heliac Elliptical WG Adapter	The andrew connector is complete with a short length of WR137 twist flex wave guide that can be removed if not needed.
Andrew	F229PC02-40CA	24IN WR229 Flex Twist Waveguide C-B	24Inch C-Band twist flex waveguide with WR229 Flange
Andrew	WFTP159-36-59 Waveguide	36In WR159 Flex Twist WG 5.925-6.42	Unused pieces of flexible waveguide.
Andrew	2132DC	WR75 to Elliptical waveguide transition	Used transition from WR75 to Elliptical Waveguide
Apollo	81751-39	3IN x 3IN WR75 Rigid Long Elbow Wav	Apollo WR75 WAVEGUIDE Long Elbow 3" X 3" RIGID Ku-Band PART NO 81751-39
Apollo	81751-41	3IN x 5IN WR75 Rigid Elbow Shape Wa	Apollo WR75 WAVEGUIDE Elbow 3" X 5" RIGID Ku-Band PART NO 81751-41
Apollo	81752-6	17.5IN WR75 Rigid S-Shape Waveguide	Rigid WR75 S-shaped wave guide 17.5 inches in length.
Apollo	81752-6	17.5IN WR75 Rigid S-Shape Waveguide	KU Band Wave guide "S" shape total of 17" long
Apollo	81757-19	10IN x 6IN x 25IN WR75 Large Double	Apollo WR75 WAVEGUIDE Large Double Elbow 10" x 6" x 25" RIGID Part No 81757-19
Apollo	86104-2	10IN WR75 Rigid Twisted Waveguide	WR75 rigid waveguide, 10 inches long with 90 degree twist, PART NO 86104-2

Manufacturer	Part	Description	Notes
Apollo	W100	WR75 Rigid U-Shape Waveguide	Apollo WR75 WAVEGUIDE Rigid U-Shape KU-BAND Part No W100 Unused GREAT CONDITION
Apollo	WR75 11IN Straight Wavegu	11IN WR75 Small Rigid Straight Wave	WR75 KU Band waveguide, straight 11 inches
Apollo	WR75 85IN Straight Wavegu	8.5IN Large Straight Waveguide Ku-Ba	KU Band rigid waveguide
Lelectronic Research L	E-Bend WR137	Part No. 6BH10B3.5A 90 degree E Ben	Lelectronic Research Labs E-Bend WR137 Rigid Waveguide PART NO 6BH10B3.5A 90-Deg
Microtech Inc.	6IN WR75	WR75 6IN Flex Twist Waveguide	KU Band short piece of twist flex WR75 waveguide.
Microtech Inc.	WR159 Flex Twist Waveguid	MTPS159-CPRG-N-128 12IN C-Band WR15	C-Band WR159 Flexible waveguide, 12 inches, never used.
Penn Engineering	3040-11B	WR75 Rigid 90 Degree Twist	Five inch, rigid WR75 waveguide with a 90 degree twist
Sector Microwave	6548	34 x 8 x 3 WR137 L-Shape WG with Tw	C-Band combination of rigid and flex waveguide with WR137 Flange
Sector Microwave	106551	2 X 5 X 10 WR137 Non-Twist Flex Dou	Sector Microwave WR-137 Rigid L-Shape & Non-Twist Flex WG P/N 106551 2 x 5 x 10
Sector Microwave	112061-00	2 X 6 X 8 WR137 Non-Twist Flex WG	C-Band double elbow, rigid with flex waveguide sections
Sector Microwave	129522	7IN Non Twist Flex Waveguide	Sector Microwave C-Band WR-137 Non-Twist Twist Flex Waveguide 7 Inches P/N 129522
Sector Microwave	33300110	7 x 28 x 9 WR159 Double Elbow Rigid	Sector Microwave WR159 Rigid Double Elbow WAVEGUIDE P/N 33300110 7 X 28 X 9IN
Sector Microwave	C1370-E90-10B	7 X 9 WR137 Large Elbow Rigid Waveg	Sector Microwave WR137 Rigid LArge Elbow WG P/N C1370-E90-10B 7 X 9IN Used
Specialty Microwave	8647-150-1	WR75 90-Degree Rigid Waveguide	KU Band rigid waveguide Specialty Microwave Corp. WR75 Small Elbow Rigid WAVEGUIDE PN 8647-150-1 2 X 7In
Specialty Microwave	8647-150-5	WR75 Rigid Triple Elbow Waveguide	KU Band Specialty Microwave Corp WR75 12 x 5 x 3In Triple Elbow Waveguide P/N 8647-150-5
Specialty Microwave	9606-150-2	WR75 Double elbow Rigid Waveguide	KU Band Rigid Specialty Microwave Corp WR75 2 x 8 x 4In Double Elbow Waveguide P/N 8647-150-2
Specialty Microwave	9609-150	WR75 Double Elbow Rigid Waveguide	KU Band Rigid waveguide - Specialty Microwave Corp WR75 5 x 10 x 6In Double Elbow Waveguide P/N 9609-150
Specialty Microwave	9609-150-10	WR75 Medium Double Elbow Rigid Wave	Specialty Microwave Corp WR75 5 x 6 x 11 Double Elbow Waveguide P/N 9609-150-10
Specialty Microwave	9609-150-4	WR75 Long Elbow Rigid Waveguide	Specialty Microwave Corp. WR75 Ku-Band Long Elbow Waveguide 19.5 x 13 Inches
Specialty Microwave	9609-150-4	WR75 Long Elbow Rigid Waveguide	Specialty Microwave Corp. WR75 Ku-Band Long Elbow Waveguide 2 x 24 x 10 Inches
Specialty Microwave	9609-150-4	WR75 Long Elbow Rigid Waveguide	Specialty Microwave Corp. WR75 Ku-Band Long Elbow Waveguide 2 x 30 x 8 Inches
Specialty Microwave	9609-150-4	WR75 Long Elbow Rigid Waveguide	KU Band Rigid Waveguide Specialty Microwave Corp WR75 25 x 2In Long Elbow Rigid Waveguide P/N 9609-150-4
Specialty Microwave	9609-150-7	WR75 Straight Rigid Waveguide	Specialty Microwave Corp. WR75 Ku-Band Straight Rigid Waveguide 10 Inches USED
Specialty Microwave	ATW040298	WR75 Straight Rigid Waveguide	Specialty Microwave Corp. WR75 Ku-Band Straight Rigid Waveguide 6 Inches USED
Specialty Microwave	ATW040298	WR75 Straight Rigid Waveguide	KU Band rigid waveguide Specialty Microwave Corp. WR75 4 Inch Straight Rigid Waveguide P/N ATW040298

<b>Manufacturer</b>	<b>Part</b>	<b>Description</b>	<b>Notes</b>
Specialty Microwave	ATW040498	WR75 Double Elbow Rigid Waveguide	KU Band Rigid waveguide, Specialty Microwave Corp. WR75 4x6.5x4IN Double Elbow Waveguide P/N ATW040498
Specialty Microwave	ATW040898A	WR75 Double Elbow Rigid Waveguide	KU Band Rigid Waveguide Specialty Microwave Corp. WR75 4x4 INCH Double Elbow Waveguide P/N ATW040898A
Specialty Microwave	D40168-1	WR75 Double Elbow Rigid Wavguide	KU Band rigid waveguide - Specialty Microwave Corp. WR75 Ku-Band Double Elbow Waveguide D40168-1 3 x 4 x 2
Specialty Microwave	D40168-10	WR75 90-degree Rigid Waveguide	KU Band Rigid Waveguide - Specialty Microwave Corp. WR75 Ku-Band 90-Degree Waveguide D40168-10 3 x 3 IN
Specialty Microwave	D40168-11	WR75 90-Degree Rigid Waveguide	KU Band Rigid Waveguide - Specialty Microwave Corp. WR75 Ku-Band 90-Degree Waveguide D40168-11 13 x 3.5 IN
Specialty Microwave	D40168-6	WR75 Long Elbow Rigid Waveguide	Specialty Microwave Corp. WR75 Ku-Band Long Elbow Waveguide 24 x 13 x 3.5 Inches
Specialty Microwave	D401687-15	WR75 Rigid U-Shape Waveguide	KU Band rigid waveguide - Specialty Microwave Corp WR75 Ku-Band U-Shape W/G D40168-15 2.5 x 7 x 2.5 IN
Specialty Microwave	D401687-15	WR75 Rigid U-Shape Waveguide	KU Band rigid waveguide - Specialty Microwave Corp. WR75 KU Rigid U-SHAPE Waveguide D40168-15 3 X 7 X 3 IN
Specialty Microwave	PW75-101	Double Elbow Rigid Twist WG w/ Exte	KU Band Rigid waveguide, Specialty Microwave Corp. WR75 Double Elbow Rigid Twist W/G P/N PW75-101 w/ext.
Specialty Microwave	WR 90Deg Waveguide 6x14IN	WR75 90-Degree Elbow Waveguide	KU Band Rigid waveguide dimensions 6 inches by 14 inches
Specialty Microwave	WR137 90Deg Waveguide 3x5	WR137 90-Degree Elbow Waveguide	C-Band Rigid waveguide from Specialty Microwave Corp. WR137 C-Band 90-Degree Elbow Waveguide 3 x 3 Inches
Specialty Microwave	WR137 Long Elbow WG 8.5 x	WR137 Rigid Elbow WG	Specialty Microwave Corp. WR75 KU Rigid Twist Elbow with EXT 16.5 x 8.5 Inches
Specialty Microwave	WR137 Long Elbow WG 8.5 x	WR137 Rigid Elbow WG	C-Band rigid waveguide by Specialty Microwave Corp. WR137 C-Band Long Elbow Rigid Waveguide 8.5 x 2 Inches
Specialty Microwave	WR137 Non-Twist Flex W/G	5 x 5 Non-twist Flex Elbow WG WR137	C-Band waveguide, with solid elbow and flex arms from Specialty Microwave Corp. WR137 C-Band Non-Twist Flex Elbow W/G 5 x 5 Inches
Specialty Microwave	WR137 Rigid Elbow 2 x 7 x	Rigid Elbow with Smal Non-Twist Fle	C-Band waveguide, combination of rigid and flex, Specialty Microwave Corp. WR137 Rigid & Non-Twist Flex Elbow WG 2 x 7 x 2 Inches
Specialty Microwave	WR137 Rigid Elbow with Tw	Rigid Elbow with Non-Twist Flex WG	C-Band Flexible and rigid waveguide from Specialty Microwave Corp. WR137 Rigid & Non-Twist Flex Elbow WG 11 x 10 x 3 In
Specialty Microwave	WR137 Rigid U-Shape WG 16	WR137 Large U Shape Rigid WG 16IN	Specialty Microwave Corp. WR137 C-Band U-Shape Rigid Waveguide 16 Inches

Manufacturer	Part	Description	Notes
Specialty Microwave	WR75 90Deg Waveguide 2x11	WR75 90-degree large elbow shape	Specialty Microwave Corp. WR75 Ku-Band 90-Degree Elbow Waveguide 2 x 11 Inches
Specialty Microwave	WR75 90Deg Waveguide 4.5x	WR75 90-degree large elbow waveguide	Specialty Microwave Corp. WR75 Ku-Band 90Degree Elbow Waveguide 14 x 4.5 Inches
Specialty Microwave	WR75 90Deg Waveguide 4.5x	WR75 90-degree large elbow waveguide	Specialty Microwave Corp. WR75 Ku-Band 90Degree Elbow Waveguide 4.5 x 6.5 Inches
Specialty Microwave	WR75 90Deg Waveguide 6x10	WR75 90-Degree Large Elbow Waveguid	Rigid KU band wave guide elbow,dimensions 6 * 10.5 inches
Specialty Microwave	WR75 Double Elbow WG 14x5	Medium Double Elbow Rigid Waveguide	Rigid WR75 Ku-Band Double Elbow Waveguide 14 x 5 x 9 Inches
Specialty Microwave	WR75 Long L-Shape Rigid T	WR75 Long L-Shape Rigid Twist WG	Specialty Microwave Corp. WR75 KU RIGID TWIST ELBOW Waveguide 20 x 6 Inches
Struthers Electornic	106552-2 C-Band	Waveguide with Attached coupler	Cross guide coupler with length of rigid waveguide attached.
Unknown	WR137 Small Elbow WG 2x2l	Copper WR137 Small Elbow Rigid Wave	Unknown manufacturer, unused waveguide elbow
Unknown	WR159 Flex Twist Waveguid	CPRG159G Connector C-Band	C-Band WR159 Flexible waveguide, 12 inches, never used.
Unknown	WR159 Flex Twist WG 36IN	WR159 Flex Twist Waveguide	36 inch C-Band Twist Flex waveguide with WR159 Flange
Unknown	WR75 Small Elbow W/G 4x2l	Copper WR75 Rigid Waveguide	Unused brass WR75 waveguide elbow

### Waveguide - Switches

Applied Telecom	9773-500	RF Switching Panel	Manual Switch for direct the amplifier output from either of two amplifiers to a specific transmit port on the antenna
Applied Telecom	9924-500	Dual RF Coaxial Switch Panel	1 RU switch capable of taking input from an upconverter and switch to either antenna, plus input from a down converter on either antenna.
California Microwave	310160	Switch and Load Control Unit	Multi antenna, multi HPA switching system.
Specialty Microwave	9609-502	RF Switching Panel	RF Microwave switch, allows the input from an HPA to be routed in one of two directions.