



48 Channels Universal Media Access Concentrator

This **Carrier Class** 19" Rack-Mountable platform is a modular multiple-channel (10/100/155/1000Mbps) Media Access Concentrator providing up to 48 conversion channels, housed in a 3U chassis, yielding an unprecedented density factor of 16/U. It features altogether 16 slots: 3 for power supplies, 1 for the management module and 12 for conversion modules (up to 4 user interfaces each). All modules, controls, connectors and indicators are located on the front panel for easy and space saving installation (including in dual back-to-back built cabinets). Its light weight allows installation by a single technician. The **MetroStar** comes equipped with dual load sharing power supplies while an additional slot allows the insertion of a third redundant power supply, increasing MTBF.

All modules are hot swappable. Even the cooling

fans- integrated in the modular PS rather than fixed in the chassis, are hot swappable. All these result in record high MTBF and virtually zero MTTR.

Most of the modules are equipped with FibroLAN's MA™ technology, which allows low cost management of the remote link partners. SNMP management is provided either by a single management module or by a combination of Master and Slave modules which allow the stacking of up to 8 devices, providing full management of hundreds of users by a single SNMP agent. The optional cable organizer facilitates neat and safe deployment even in the densest configurations.

All these features make *MetroStar* the industry's most efficient Access Concentrator for FTTx and large enterprise networks.

Key Features

- **Carrier Class** - redundant PS, -48VDC PS, all modules (including fans) are hot-swappable, all modules, controls and indicators - front loaded, no active components on back-plane, loop-back via MA, continuous link testing via MA, Last Gasp
- **Management** - Stand Alone or stackable
- **Top Density:** up to 48 F/O interfaces
- **Largest variety** of modules (10/100/155/1000Mbps), distances and connectors
- **Light Weight, Space Saving**
- **MA™** support for remote management - only one agent and one IP address to control up to 400 remote users

General Specifications

Slots: 16 - 3 for Power Supplies, 1 for management and 12 conversion (1,2 or 4 channels each)

Management: Stand Alone or stackable, SNMP V1&V2, Telnet, RS232, TFTP

Power-Supplies (2, third optional)
100 ÷ 240 VAC, 50 ÷ 60Hz, load-sharing
or -48VDC (-36 ÷ -72VDC), load-sharing

Temperature

Operating: 0° ÷ +45°C

Storage: -20° ÷ +80°C

Safety

UL 1950:1955

EN 60950

Dimensions

441x210x132mm

Cooling: forced air, fans integrated in Power Supplies, hot swappable

Power Consumption

120 Watts maximum

Humidity

10% ÷ 90% non-condensing

EMC

FCC part 15, Subpart B, Class A; ICES 003:1997, Class A; EMC Directive 89/336/EEC

Weight

7 kg max. (fully loaded)

Ordering Information

Model	Description
MS-CH/A	MetroStar Chassis, 3U, 16 slots, including 2 AC Power Supplies+6*BP-01
MS-CH/D	MetroStar Chassis, 3U, 16 slots, including 2 DC Power Supplies+6*BP-01
FPS5033A (D)	Redundant AC (DC) power Supply
BP-01/BP-02	Blank Panel for conversion module slots/ P.S. slots
MCM100-01x	100TX-FX converter module. X=SC,ST,MTRJ,SM,SFS1550
MCM100-02x	2* 100TX-FX converter module. X=SC,ST,MTRJ,SM,SFS1550
MCM110-01x	10/100TX-FX converter module. X=SC,ST,MTRJ,SM,SFS1550
MCM110-02x	2* 10/100TX-FX converter module. X=SC,ST,MTRJ,SM,SFS1550
ACM110-12SMR	2:1 Aggregating converter module, single mode 1310nm,SC, 15km
ACM110-12SM	2:1 Aggregating converter module, single mode 1310nm,SC, 25km
ACM110-02SMRF15	2:1 Aggregating converter module, SFS 1550nm, SC, 15km
ACM110-04SMRF15	4:1 Aggregating converter module, SFS 1550nm, SC, 15km
MSM100U-X	M/M to S/M ATM/OC3 direct converter, X=SMR7,SMR,SM,SML,SML2,SML3,SMLX
MSM100U-SME	S/M to S/M ATM/OC3 direct Extender, 7Km to 25 Km
MMM-01	SNMP module - stand alone configuration
MMM-02	SNMP Module Master, manages main and 7 slave systems
MMM-03	SNMP Module, Slave, to be managed under Master Module
MCM1000T-xx	1000Base-T to 1000Base-SX or LX (10/20/40/80km) Conversion Module
MCM1000S-yy	1000Base-SX to 1000Base-LX (10/20/40/80km) Conversion Module
PMM	Power Monitor Module
COT	Cable Orgnizer Tray

Specifications subject to change without prior notice

ARC Electronics

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