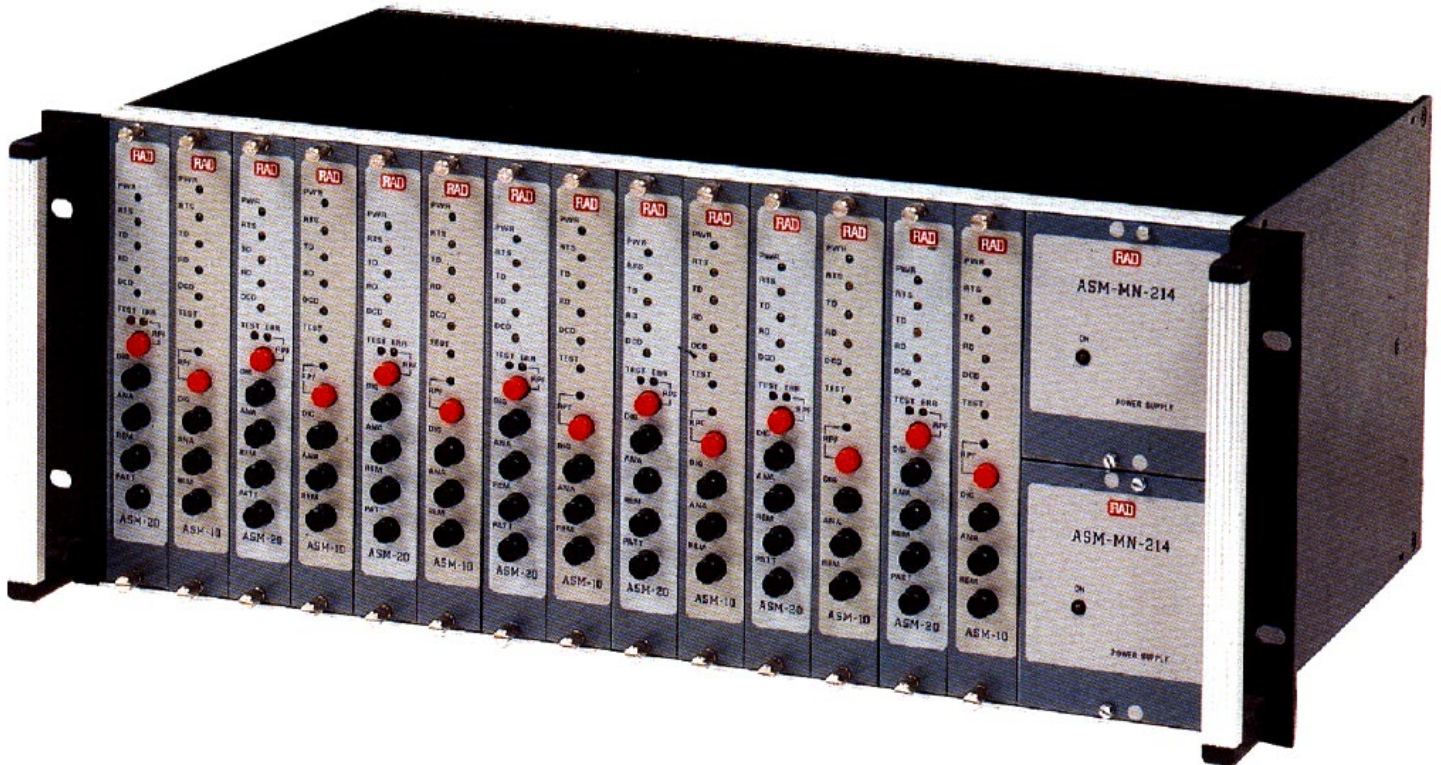


# ASM-MN-214

Hub for Short Range Modems

**RAD**



## FEATURES

- High density 19" modem rack
- Any combination of up to 14 modem cards
- Fiber optic and copper wire modems in a single modem rack
- Hot swapping of cards and power supplies
- Optional power feeding from different sources (AC or DC)
- Separate power supplies for full redundancy
- 4U high

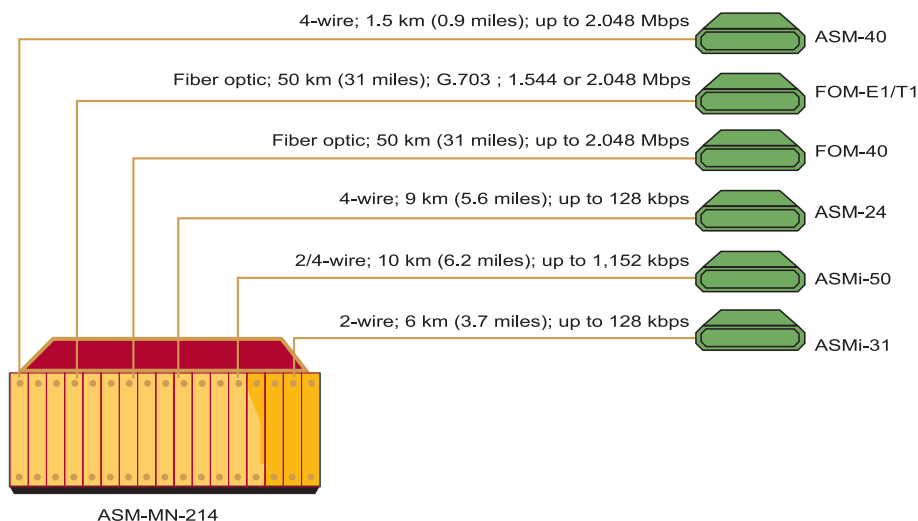
# ASM-MN-214

## Hub for Short Range Modems

### DESCRIPTION

- The ASM-MN-214 is a 19", 4U high, rack-mount, hub for Short Range Modems. The hub accommodates up to 14 cards, and supports more than 20 different types of cards. Any combination of modem cards can be installed. Cards can be removed or inserted during operation without interference to operation of other cards.
- Operating over 2-wire, 4-wire or fiber optic, baseband modems support data rates from 300 bps to 2.048 Mbps. ASM-MN-214 provides a cost effective and reliable concentration point for multiple baseband links supporting last mile or campus applications.
- ASM-MN-214 can be powered from either AC or DC power sources, or from both. Each power supply supports a full rack of cards, regardless of the type. The hub accommodates two separate power supplies that back up each other in case of failure. Each power supply can be replaced during operation without affecting the operation of other modems (hot swapping).
- The ASM-MN-214 rear panel consists of fourteen 5-screw, snap-type terminal blocks and fourteen 25-pin, D-type connectors (one terminal block and one DB-25 connector per card).
- Modems with X.21 or V.35 interface require an external mechanical adapter. CIA/X.21 can be ordered for converting two adjacent DB-25 connectors to two X.21 15-pin connectors, CIA/V.35 for converting one DB-25 connector to a V.35 34-pin connector.

### APPLICATION



# ASM-MN-214

## Hub for Short Range Modems

Table 1. Modem Cards for ASM-MN-214

Type of Module	Name of Module	Main Features
<b>Synchronous Short Range Modems</b>	ASM-20/R	up to 256 kbps
	ASM-24/R	144 kbps, based on PR-4
	ASMi-24/R	144 kbps, with remote management
	ASM-40/R	2048 kbps
	ASM-45-1/R	768 kbps
	ASMi-50/R	64-1152 kbps, based on LA-DSL
	FOM-E1/T1/R	E1/T1 fiber optic
	FOM-40/R	2048 kbps, fiber optic
	MTM-15/R	19.2 kbps, medium range
MTM-20/R	64 kbps, medium range	
<b>Sync/Async Short Range Modems</b>	ASM-10/8/R	19.2 kbps
	ASM-31/R	128 kbps, all rate 2-wire
	LDV-2/R	19.2 kbps, 2-wire, data-over-voice
<b>Fractional CSU/DSU</b>	FCD-1L/R	T1, CSU/DSU
	FCD-2L/R	E1, DSU
	FCD-2L/R/LTU	E1, with LTU
<b>Rate and Interface Converter</b>	SPD-703-1/R	64 kbps, codirectional

**Note:** See specific data sheets for details on each card.

# ASM-MN-214

## Hub for Short Range Modems

### SPECIFICATIONS

- **Number of Slots**  
14 slots for cards
- **Power**  
115 or 230 VAC ( $\pm 10\%$ ), 100W  
47 – 63 Hz  
48 VDC, 150W, 42 to 64 VDC  
24 VDC, 150W, 18 to 32 VDC
- **Connectors**  
Line: 14 5-screw, snap-type  
terminal blocks  
DTE: 14 25-pin, D-type female  
connectors
- **Physical**  
Height: 18.0 cm/ 7.0 in (4U)  
Width: 48.2 cm/ 19.0 in  
Depth: 26.7 cm/ 10.4 in
- **Environment**  
Temperature: 0-50°C / 32-122°F  
Humidity: up to 90%,  
non-condensing

### ORDERING

#### ASM-MN-214/\*/#/&

19" Hub for Short Range Modems

#### ASM-214-PS/\*

Power supply for ASM-MN-214

- \* Specify main power supply:  
**115** for 115 VAC supply  
**230** for 230 VAC supply  
**48** for 48 VDC supply  
**24** for 24 VDC supply
- # Specify redundant power supply:  
**115** for 115 VAC supply  
**230** for 230 VAC supply  
**48** for -48 VDC supply  
**24** for 24 VDC supply
- & Specify line connector:  
**BNC** for BNC and RJ-45 line  
connectors  
(Default is terminal block.)

#### CIA/+

Mechanical adapter converting  
DB-25 connectors into standard  
connectors

- + Specify CIA connector type:  
**X21** for X.21 D-type, 15-pin  
connector for two adjacent  
modem cards  
**V35** for V.35 34-pin connector  
for one modem card

#### ASM-MN-114-BP

Blank panel for ASM-MN-214

data communications

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