



FNXM Series
(front view)

Active Products

RF & L-Band Switch Matrix Solutions with Hot Swappable Switch Cards:

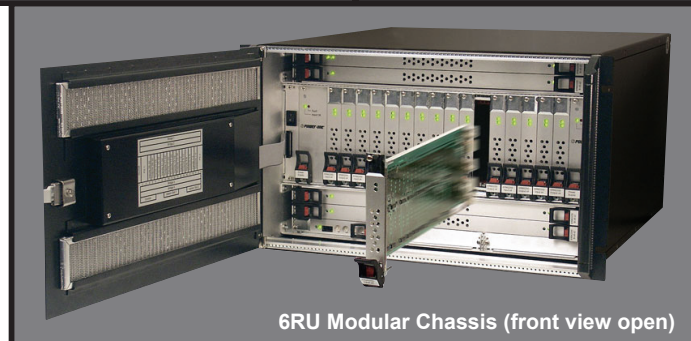
High Density RF & L-Band Switch Matrix Solutions with Hot Swappable Switch Cards:

- ▶ The FNXM product line provides users with a state-of-the-art expandable (modular), programmable fan out switch matrix system
- ▶ This product is ideal for applications that require dynamic signal routing such as L-Band signal routing from LNBS to receivers, upstream traffic optimization in into the CMTS or the replacement of legacy patch panels
- ▶ Ultra high density platform (32x32 matrix in 6RU), with hot swappable switch cards, redundant power supplies & integrated system controller
- ▶ Main switch is 32x32 (6RU)
- ▶ Expandable from 32x32 (in increments of 8 inputs or 8 outputs) to 512x512
- ▶ Unity gain provides zero loss for transparency in the network
- ▶ High isolation



6RU Modular Chassis (front view)

6RU Modular Chassis (rear view)



6RU Modular Chassis (front view open)

RF & L-Band Switching Solutions

RF & L-Band Switch Matrix Solutions with Hot Swappable Switch Cards:

High Density RF & L-Band Switch Matrix Solutions with Hot Swappable Switch Cards (cont'd):

RF Modular Switch Matrices with Hot Swappable Switch Cards Specifications

SPECIFICATIONS	L-BAND	RF
OPERATING FREQUENCY	950-2150 MHz	5-1000 MHz
SWITCH TYPE	Fan-out	Fan-out
MAX. INPUT POWER	-20 dBm	48 dBmV
INSERTION LOSS	0 +/- 2 dB	0 +/- 2 dB
FREQUENCY RESPONSE	+/- 3 dB	+/- 3 dB
RETURN LOSS	> 10 dB	> 10 dB
IMPEDANCE	75 ohm	75 ohm
ISOLATION (Input to Input)	≥ 50 dB	≥ 55 dB
ISOLATION (Output to Output)	≥ 50 dB	≥ 55 dB
ISOLATION (Input to Output)	≥ 45 dB	≥ 50 dB
INPUT POWER	Redundant, Dual Input 90-240 VAC, 47-63 Hz	
MONITOR / CONTROL	Via Integrated Universal Controller Module	
LOCAL CONTROL	Front Panel Keypad and LCD Screen	
REMOTE CONTROL	RS-232, RS-422, RS-485, SNMP, Telnet or TCP/IP via Customer Supplied PC	
INTER-MODULE CONTROL DATA ⁽¹⁾	Synchronous Serial	
SOFTWARE	Basic PC-compatible Operating Software and System Protocol Included with System	
SIZE	32x32 Switch Module 6 RU; Input and Output Distribution Modules: 6 RU	
NOTE: (1) Necessary for switch matrix expansion beyond 32x32. Facilitates control of input distribution modules and output distribution modules.		

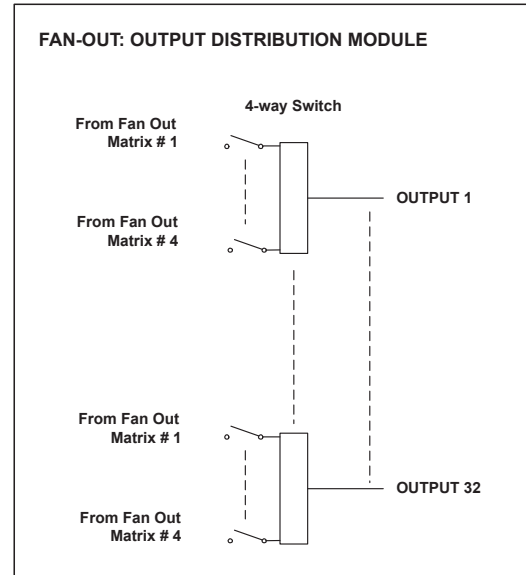
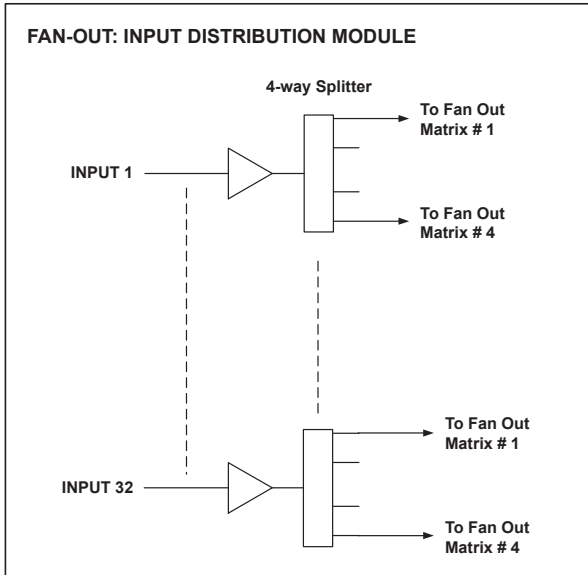
Ordering Information

Part Number	Description
FNXM	Please Call Factory for Part Numbers & Pricing for FNXM Switch Configurations.

RF & L-Band Switch Matrix Solutions with Hot Swappable Switch Cards:

High Density RF & L-Band Switch Matrix Solutions with Hot Swappable Switch Cards (cont'd):

Fan-Out Functional Schematics



Specifications subject to change without notice.

