

XPRF 14

128 X 128



128x128 Protected RF Router/Matrix Switch

- Frequency Range: 850MHz – 2300MHz
- Very Compact Matrix – 14 RU Chassis
- Scalable to up to 1024x1024
- All components (including fans) are modular
- Front-accessible and Hot-swappable – Cables never need to be removed
- Redundancy in every active component, including input/output/midpoint cards, power supplies and controllers
- The only large-scale RF Router on the market to offer optional integrated LNB power
- Largest integrated touch-screen (19") display
- Built-in Spectrum Analyzer
- M&C – SNMP Ready Evertz VistaLINK PRO Software available
- Maintain continuity – Sophisticated self-diagnostics monitor signal paths in the router. In the event of any fault detected the router will quickly and automatically re-route the signal.

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Specifications

System:

Matrix Sizes:	8x8 to 128x128 in a 14RU frame, 1024x1024 maximum expanded system size, systems may be square or non-square in size
System Expansion:	Inputs or outputs are expandable in increments of 8, expansion beyond 128x128 requires additional frames and external splitting/combining
Impedance:	75Ω (50Ω optional)
Connector Type:	BNC per IEC 61169-8 Annex A (SMA, F-type optional)
Gain Range (manual gain mode):	-25 dB to +25dB in 1dB steps

RF Specifications:

Bandwidth:	850MHz to 2250MHz
Freq Response:	±1.5dB over the passband, ±0.5dB over any 36 MHz bandwidth
Isolation:	>60dB output to output >60dB input to input >55dB input to output
Return Loss:	> 15dB (input and output)

LNB Power:

Voltage:	18VDC, off (selectable)
Current:	400mA
Protection:	Active: short circuit, overload

Communication & Control:

Serial:	RS-232/RS-422 selectable – Female 9-pin D connector
Ethernet:	SNMP, Quartz Protocol, Web Browser
Panels:	CP2116-E, CP2232-E via direct Ethernet connection, other Evertz panels over Ethernet through Magnum or Magnum SE
Software:	VistaLINK PRO SNMP NMS, VUE Configurable graphics environment

Electrical:

AC Input:	Auto ranging, 100 to 240V AC, 50/60Hz
Number:	5 (3 for router power, 2 for LNB power)
Connector:	IEC 60320 - 1 per power supply

Physical:

Dimensions:	24.5"H x 19"W x 18.5"D (622mm H x 483mm W x 470mm D)
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