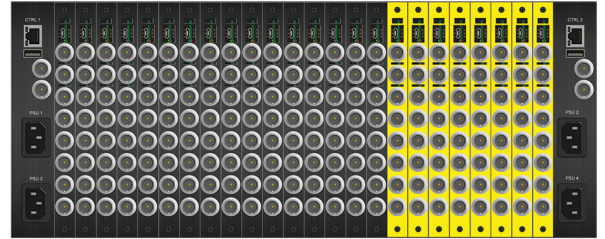


XRF4 — RF Router Series

Distributive (Fan-Out) 64x128, 128x64 and more

The XRF4 is a non-blocking, high-density wideband RF router for signals from 40–2450MHz. In a mere 4RU form factor, the XRF4 starts from a base 8x8 configuration and is expandable in increments of eight-channel input and/or output cards. The XRF4 platform features a modular hot-swappable architecture, built-in 10" touch screen control panel and redundant power

supplies and frame controllers. Optional features include crosspoint redundancy, direct fiber input modules, integrated spectrum analyzer and more. The XRF4 I/O modules are individually software-upgradable to support LNB powering and/or automatic gain control.



► Features & Benefits

Performance

Industry's best performing large-capacity router with superior frequency response, isolation, return loss and noise figure to preserve signal margin.

Flexibility

Various connector options, adjustable gain and direct fiber options offer flexibility to meet any application requirement. Built-in gain allows expansion up to 512x1024 using Evertz' passive splitters & combiners with no added point of failure.

Reliability

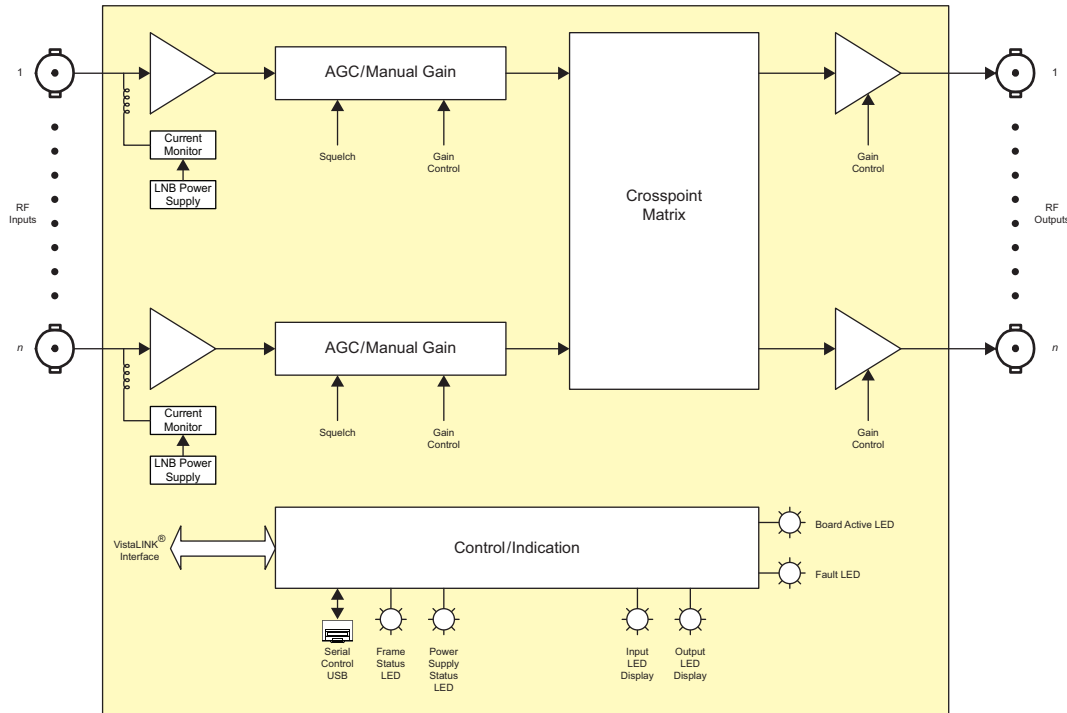
All active components are modular and hot-swappable, facilitating quick serviceability and maximum uptime.

LNB Powering

Optional integrated LNB power supplies with 22kHz LO control, individually controllable on all inputs. Active current protection, advanced monitoring/alarming and automatic recovery per port.

Monitoring & Control

Integrated 10" touch screen display and optional built-in spectrum analyzer allow quick control and monitoring of all routes using customizable graphical user interfaces. User-friendly web browser provides access to all router controls and monitoring using Evertz' own VistaLINK PRO third-party compatible SNMP software. Immediate control and monitoring of routes, gain, threshold adjustments, RF power levels and LNB current values using Evertz' own MAGNUM control software.



REQUEST A QUOTE

The Complete Solution Provider



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► Specifications

<p>System: Matrix Sizes: 8x8 up to maximum frame configurations 64x128 or 128x64 System Expansion: Inputs and/or outputs expandable in increments of 8; expansion beyond maximum configuration is achievable with additional frames and passive splitters/combiners up to 512x1024</p> <p>RF Input: Impedance: 75Ω (50Ω optional) Connector Type: BNC (SMA and F-type also available) Input Gain Range: -15dB to +15dB in 0.5dB steps Output Gain Range: -10dB to +10dB in 0.5dB steps</p> <p>Fiber Optic Input: Optical Input: Available with 2307LR modules Female LC/UPC</p>	<p>RF Specifications: Bandwidth: 40–2450MHz Frequency Response: ±1.5dB typ. ±2.0dB max ±0.25dB typ. ±0.5dB max over any 36MHz bandwidth Isolation: >70dB output to output >70dB input to input >70dB input to output -5dBm to -55dBm RF Input Power: -5dBm Max RF Output Power: -5dBm Input P1dB: 0dB OIP3: > +12dBm Return Loss: > 17dBm typ. >14dBm min (input and output) Group Delay: <2.0ns Gain Tracking: ±2.0dB</p> <p>LNB Power: LO Control: 22kHz, on/off (selectable) Voltage: 13/18V DC, off (selectable)</p>	<p>Current: 400mA Protection: Active: short circuit, overload</p> <p>Communication & Control: Ethernet: SNMP, Quartz Protocol, Web Browser Panels: Integrated 10" touch screen panel, CP2116-E, CP2232-E panels available Software: Web, VistaLINK PRO SNMP NMS, and VUE-SW</p> <p>Electrical: AC Input: Auto-ranging, 100–240V AC, 50/60Hz Connector: IEC 60320-1 per power supply Number: 4 (1+3)</p> <p>Physical: Dimensions: 18.96" W x 6.96" H x 29.21" D (482mm W x 177mm H x 742mm D)</p>
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► Ordering Information

XRF4-FR-64x128	XRF 4RU router frame, 192x IO connections, 75Ω BNC connectors, 10" integrated LCD touch screen; maximum configuration of 64x128
XRF4-FR-128x64	XRF 4RU router frame, 192x IO connections, 75Ω BNC connectors, 10" integrated LCD touch screen; maximum configuration of 128x64

XRF4-FC XRF4-FC-SA	XRF4 RF router frame controller Frame controller with integrated spectrum analyzer for the XRF4 router system; accessible locally using 10" touch screen or over the network using web browser
XRF4-PS XRF96	XRF4 RF router power supply module XRF4 system mid-point module

Ordering Options:

2307LR	Miniature L-Band/Wideband Fiber Receiver
XRF4-FK-8LNB	XRF4 Platform feature key to enable LNB power on 8x inputs
XRF4-FK-8AGC	XRF4 Platform feature key to enable Automatic Gain Control for 8x inputs

Connectors/Impedances:

-B50	50Ω BNC connectors
-S50	50Ω SMA connectors
-F75	75Ω F connectors

Note: BNC 75Ω connectors by default

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