

EQT-1604-3G, EQT-1616-3G, EQT-1604-H, EQT-1616-H

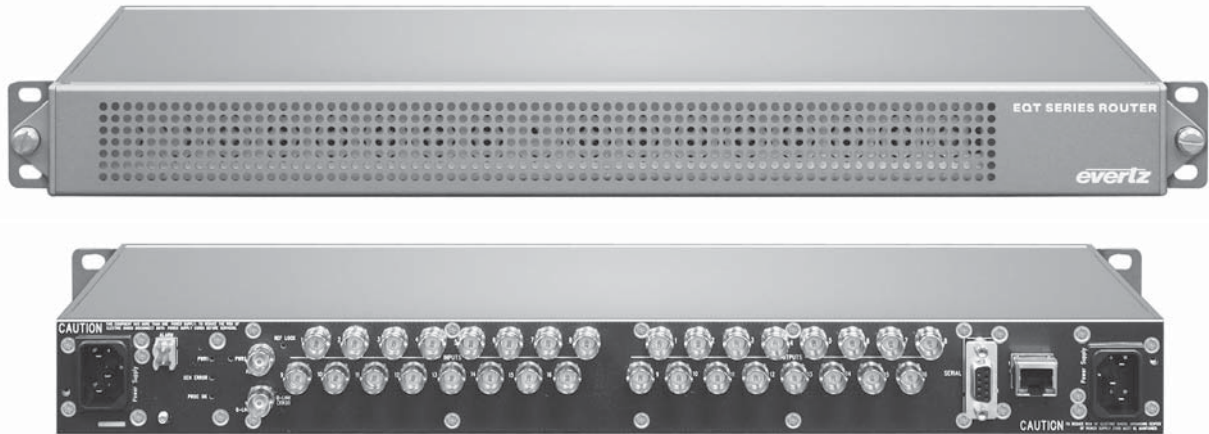
16x16 and 16x4 SD/HD/3G Front Accessible Routers



Performance and reliability in a compact package.

The EQT is a routing solution for mission-critical applications. Its revolutionary design provides easy access to all components for quick replacement, minimizing down time. With this, and the ability to route up to 16x16 signals in a compact 1RU frame, the EQT is ideal for all mission-critical and demanding 24/7 environments.

Being format independent data paths the EQT supports digital signals from 3Mb/s all the way up to 3Gb/s including SD-SDI, HD-SDI, 3G-SDI, DVB-ASI and SMPTE ST 310-1.



Features & Benefits

Configuration: The EQT is housed in a 1RU frame and switches 16 sources to 16 or four destinations. The input stage of the EQT is fixed at 16 and the output stage is fixed at 16 or four.

Control: The EQT router is compatible with the existing ranges of Quartz routers, remote control panels and control systems.

The EQT router includes, as standard, an internal frame controller module which supports a single Q-Link, a single serial port and a single Ethernet port on the rear of the router.

The EQT router has a number of control options:

Remote Control Panel: Any panel(s) from the entire range of Quartz remote control panels can be used with the EQT router connected via Q-Link or Ethernet. (Exceptions: CP-1024E, CP-2272E, CP-1040E)

External Third Party Control: The EQT router can be remotely controlled via an external third party control device, such as an automation system, when connected to the serial port or Ethernet.

Expansion: The input stage of the EQT is fixed at 16 and the output stage is fixed at 16 or four.

Power Supply: The power supply for the EQT router is internal. The EQT router can be fitted with an optional redundant internal power supply that is hot-swappable.

Technical: The EQT router offers a full 3Gb/s bandwidth.

Feature Summary:

- Full modular design
- All modules are hot-swappable
- All components are front accessible
- Redundant power supply
- Output reclocking (On/Off)
- Full VistaLINK® PRO command & control, SNMP
- Ethernet, Serial RS-232/RS-422 and Q-Link ports

Specifications

Serial Video Inputs:		Signal level:	1V p-p ± 3dB	Physical:	
Standard:	SMPTE 292M, SMPTE 259M, SMPTE 310M, SMPTE 424M, ASI	Impedance:	75Ω	Dimensions:	19"W x 11.2"D x 1.75" 482.6mm x 284.48mm x 44.45mm
Signal Level:	800mV p-p nominal	Switching Line:	Lines 6/319 (625), Lines 10/273 (525), Line 7 (HD)	Weight (Frame):	6 kg, 13.23lbs
Impedance:	75Ω terminating	Control:		Operating Temp.:	0–40°C (ambient)
Return Loss:	15dB (5MHz–1485MHz)	Q-Link to remote panels		Specification Maintained:	10–30°C (ambient)
Cable equalization:	Belden 1694A 200m @ 270MHz, 150m @ 1.5Gb/s, 100M @ 3Gb/s	Cable Type:	75Ω video cable	Humidity:	10–90% non-condensing
Connectors:	BNC per IEC 61169–8 Annex A	Max Length:	500m	Ventilation:	Fan assisted
		Serial:		Configuration:	
Serial Video Outputs:		Signal:	RS-232/RS-422	Inputs:	Fixed at 16
Standard:	Same as input (Reclocking)	Connector:	D9 socket	Outputs:	Fixed at 16 or 4
Signal Level:	800mV p-p ± 10%	Ethernet:	RJ-45		
Impedance:	75Ω terminating	Power:			
Return Loss:	15dB (5–1485MHz)	Supply:	Auto ranging 100–240V AC, 50/60Hz		
DC offset:	0 ± 0.5V	Power Consumption:	60W		
Connectors:	BNC per IEC 61169–8 Annex A	Power Fail Alarm Output:			
Switching Reference:		Relay Contact:	Rated 250mA, 50V		
Reference:	Inputs Analog 625 or 525, Tri-level HD	Connector:	Screw Terminals		
		Redundant PSU:	Optional		

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►Ordering Information

EQT-1616-H	16x16 SD/HD router with front accessible, hot-swappable card and power supply (3Mb/s to 1.485Gb/s) using standard BNC connectors
EQT-1616-3G	16x16 SD/HD/3G router with front accessible, hot-swappable card and power supply (3Mb/s to 2.97Gb/s) using standard BNC connectors
EQT-1604-H	16x4 SD/HD router with front accessible, hot-swappable card and power supply (3Mb/s to 1.485Gb/s) using standard BNC connectors
EQT-1604-3G	16x4 SD/HD/3G router with front accessible, hot-swappable card and power supply (3Mb/s to 2.97Gb/s) using standard BNC connectors

Ordering Options

+2PS Redundant power supply

