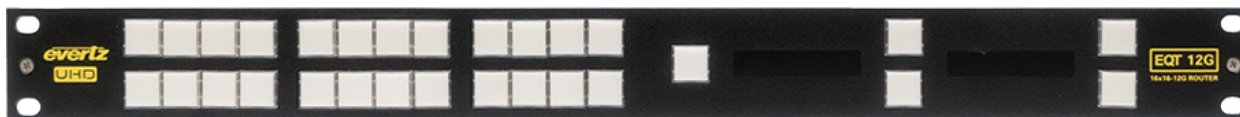


EQT-1616-3G-F

12G/3G/HD Router



EQT-1616-3G-F is a revolutionary design enclosed in a compact 1RU frame, capable of high-level integrated functionalities and routing of up to 16 input and 16 output 12Gbps signals using transceiver SFP ports. This is a compact feature full-routing solution with redundant power supplies, designed with mission-critical 24/7 applications in mind.

EQT-1616-3G-F uses format-independent data paths to support digital signals from 1.5Gbps to 12Gbps. It boasts forward-looking hardware to support integrated functionalities, such as multiplexing single-link 4K to quad-link UHD and de-multiplexing quad-link UHD to single-link UHD.

Among these functionalities, clean and quiet switching is an enable key-feature that provides for all 16 outputs seamless video and "popless" audio switching. This is ideal for use in master control UHD applications as a bypass router, or as a simple Master Control router itself, supporting two quad-link UHD deterministically routed or 4 single-link UHD clean and quiet switching paths.

MADI is another enable key-feature, which activates 64 channels of MADI audio, allowing them to be shuffled into the 16 output video bus as embedded audio and vice-versa.

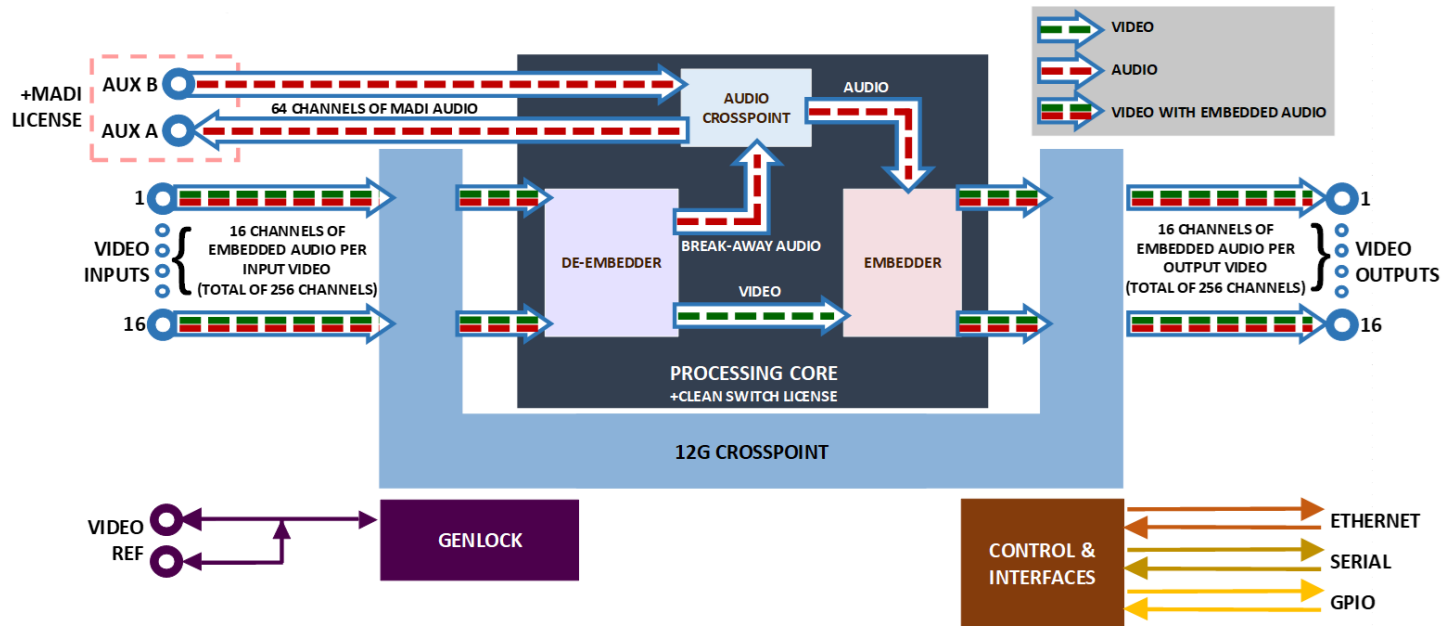
The EQT-1616-3G-F can be controlled by Evertz' customizable front panel CP-2402E, by Ethernet, Serial and GPIO ports, as well as by a third-party interface. It is also VistaLINK® PRO capable, offering remote monitoring, control and configuration capabilities via Simple Network Management Protocol (SNMP).

Features & Benefits

- Supports HD-SDI, 3G-SDI, 12G-SDI and 2SI quad-link 12G-SDI
- 12G-SDI to quad-link 3G-SDI and quad-link 3G-SDI to 12G-SDI translation
- Embedding/de-embedding Mono shuffling and MADI IO
- Evertz' clean and quiet switch, enabled on a per-port basis
- Multiple direct control options:
 - CP hosting remote and local
 - Quartz and third-party router protocols
 - Serial, Ethernet and GPIO
- Locally hosted web page for monitoring, control and configuration
- Compatible with MAGNUM and VistaLINK® PRO Command & Control via SNMP

EQT-1616-3G-F

12G/3G/HD Router



Specifications

Video Standards:

- SMPTE ST 292M, 424M, 2082

Video Formats:

- 1080i/59.94, 1080i/50
- 1080p/59.94, 1080p/50
- 3840x2160p/59.94, 3840x2160p/50

Reference:

Inputs: Looping HD-BNC,
Analog 625/525
Signal level: 1V p-p ± 3dB
Impedance: 75Ω

Control:

Ethernet: 10/100Base-T RJ-45
Serial Signal: RS-232/RS-422
GPI: 8-pin phoenix connector
GPO: 8-pin phoenix connector
Webpage: WEBeASY
Protocols: Quartz, SNMP,
Probel SW-P-02 & -08
and GVG SMS7000

Physical:

Height: 1.75" (44.5mm) 1RU
Width: 19" (483mm) rack mount
Depth (Non-FP): 10.5" (267mm)
Depth (FP): 13.5" (345mm)
Weight: 3.4kg (7.5lbs)
Operating Temp.: 0-40°C
Cooling: Fan-cooled, left to right

Electrical:

AC Mains Input: Auto-ranging 100-240V
AC, 50/60Hz
Max. Power Consumption:
130W
Power Supply Configuration:
Main and redundant power
supplies with separate
AC connections

Ordering Information

EQT-1616-3G-F

1RU router with redundant PSU, and processing capabilities, that uses 12G capable SFP+ ports.

Options for a front local panel, 12G-SDI support, and processing options for audio shuffling with external MADI and for Evertz® patented SoftSwitch™ technology with integrated 2SI Gearboxes.

Hardware Options:

+C2402

Ordering option for EQT-1616-3G-C and EQT-1616-3G-F to add a local CP-2402E control panel. Factory installation only.

License Options:

EQT-FK-12G

License to enable 12G-SDI on the EQT-1616-3G-C and EQT-1616-3G-F routers

EQT-FK-MADI

License to enable MADI I/O capabilities for Audio shuffling in the EQT-1616-3G-C and EQT-1616-3G-F routers, CS option required

EQT-FK-CS

License to enable 2SI Gearbox and clean switch /w Evertz® patented SoftSwitch™ technology for the EQT-1616-3G-C and EQT-1616-3G-F routers

SFP Options:

SFP3TR-HDBNC-12G

12G/3G/HD/SD Reclocking, MSA SFP Transceiver, HD-BNC Connectors

SFP3TR-13-12G

SD/HD/3G/12G Reclocking SFP Transceiver using a wavelength 1310nm, Optical power: -5-0.5dBm, Sensitivity: -10dBm, handles pathological pattern, 2LC connectors. For use in Evertz 12G Router and Processing Products.

Contact factory for additional SFP options