

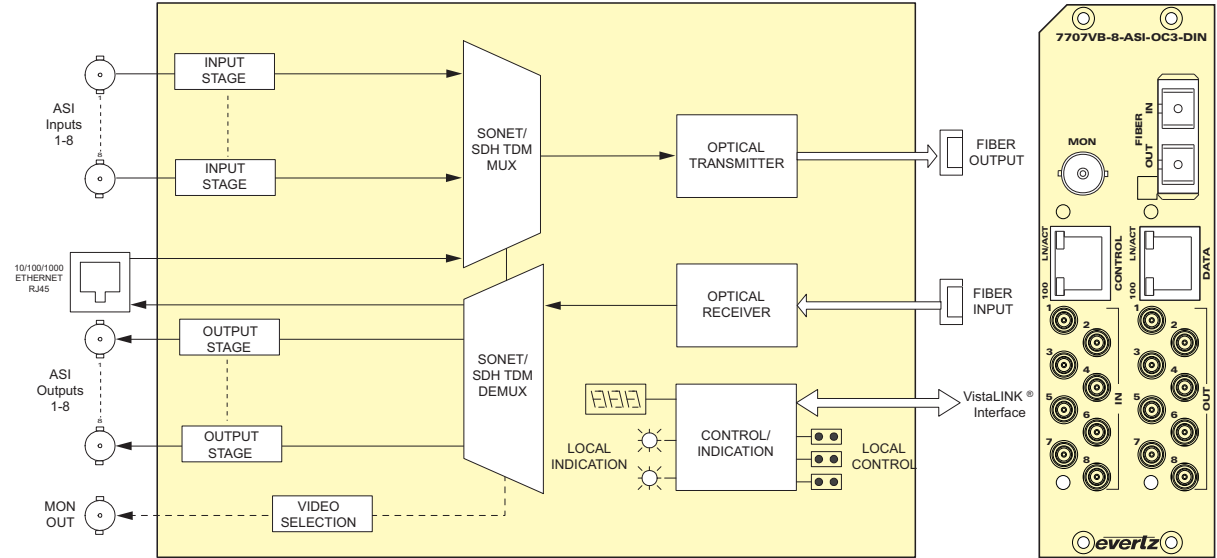
# 7707VB-8-ASI-OC3-DIN

## Eight Channel, Bi-directional ASI over OC 3 Transceiver



### Features & Benefits

- Transports signals at the OC-3/STM-1 line rate
- Single card TDM multiplexer for 8 bi-directional asynchronous DVB-ASI signals
- Flexible Bandwidth Management (FBM) automatically throttles Ethernet bandwidth with respect to applied video
- Built-in Ethernet transceiver with one 10/100/1000 Base-T compatible port
- Interfaces directly to the SONET/SDH infrastructure
- Signal transport over fiber uninterrupted by loss of any input feed
- Stratum 3 wander/holdover/jitter compliance
- Fully hot-swappable from front of frame
- Supports single-mode and multi-mode fiber optic cable (contact factory for multi-mode applications)
- Optical output wavelengths of 1310nm, 1550nm, and up to sixteen CWDM wavelengths (ITU-T G.694.2 compliant)
- DWDM wavelengths (ITU-T G.694.1 compliant) also available
- SC/PC, ST/PC, FC/PC connector options
- Comprehensive signal and card status monitoring via four digit card edge display or remotely through SNMP and VistaLINK®
- VistaLINK® capability is available when modules are used with the 3RU 7800FR frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame



### Specifications

#### Serial Video Input:

Standards: DVB-ASI  
 Number of Inputs: 8  
 Connector: 1.0/2.3 female (Mini-DIN)  
 Equalization: Automatic to 250m @ 270Mb/s with Belden 1694A or equivalent cable  
 Return Loss: > 15dB up to 270Mb/s

#### Serial Video Output:

Standards: DVB-ASI  
 Number of Outputs: 8  
 Connector: 1.0/2.3 female (Mini-DIN)  
 Signal Level: 800mV nominal  
 DC Offset: 0V ±0.5V  
 Rise and Fall Time: 900ps nominal @ 270Mb/s  
 Overshoot: < 10% of amplitude  
 Return Loss: > 12dB  
 Wideband Jitter: < 0.2 UI

#### Optical Input:

Standards: OC-3/STM-1  
 Number of Inputs: 1  
 Connector: Female SC/PC, ST/PC or FC/PC  
 Return Loss: > 25dB  
 Wavelength: 1270nm to 1610nm  
 Maximum Input Power:  
 Standard: -1dBm  
 Optical Sensitivity:  
 Standard: -28dBm

#### Optical Output:

Standards: OC-3/STM-1  
 Number of Outputs: 1  
 Connector: Female SC/PC, ST/PC or FC/PC  
 Return Loss: > 14dB  
 Wideband Jitter: < 0.2 UI  
 Fiber Size: 9µm core/125µm overall  
 Wavelength:  
 Standard: 1310nm, 1550nm (nominal)  
 CWDM: 1270nm to 1610nm (See Ordering Information)  
 DWDM: C-Band (ITU-T G.694.1 compliant) (See Ordering Information)

#### Power:

1310nm FP (Standard): -7dBm ±1dBm  
 1550nm & CWDM DFB: 0dBm ±1dBm  
 DWDM DFB: +7dBm ±1dBm

#### Electrical:

Voltage: +12V DC  
 Power: 12W (Non DWDM), 13W (DWDM)

#### Physical (Number of Slots):

7800FR: 2  
 7801FR: 2

#### Compliance:

Electrical Safety: CSA Listed to UL 60065-03, IEC 60065  
 Complies with CE Low voltage Directive  
 Laser Safety: Class 1 laser product  
 Complies with 24 CFR 1040.10 and 1040.11  
 IEC 60825-1  
 Complies with FCC Part 15, Class A  
 EMI/RFI: EU EMC directive

### Ordering Information

<b>7707VB13-8-ASI-OC3-DIN</b>	Eight Channel, Bi-directional ASI +Ethernet over OC3 Transceiver, 2 slot Mini-DIN I/O, 1310nm FP laser with VistaLINK®
<b>7707VB15-8-ASI-OC3-DIN</b>	Eight Channel, Bi-directional ASI +Ethernet over OC3 Transceiver, 2 slot Mini-DIN I/O, 1550nm DFB laser (0dBm), with VistaLINK®
<b>7707VBxx-8-ASI-OC3-DIN</b>	Eight Channel, Bi-directional ASI +Ethernet over OC3 Transceiver, 2 slot Mini-DIN I/O, CWDM DFB laser (See Ordering Information)
<b>7707VBDxxx-8-ASI-OC3-DIN</b>	Eight Channel, Bi-directional ASI +Ethernet over OC3 Transceiver, 2 slot Mini-DIN I/O, DWDM DFB laser (See Ordering Information)

#### Ordering Options

Rear Plate and Fiber Connector must be specified at time of order (Eg: Model +SC +3RU)

#### Rear Plate Suffix

**+3RU** 3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe

#### Connector Suffix

**+SC** SC/PC  
**+ST** ST/PC  
**+FC** FC/PC

#### Enclosures

**350FR** 3RU Portable Multiframe which holds up to 7 single slot modules  
**7800FR** 3RU Multiframe which holds up to 15 single slot modules  
**7700FR-C** 3RU Multiframe which holds up to 15 single slot modules

The Complete Solution Provider

