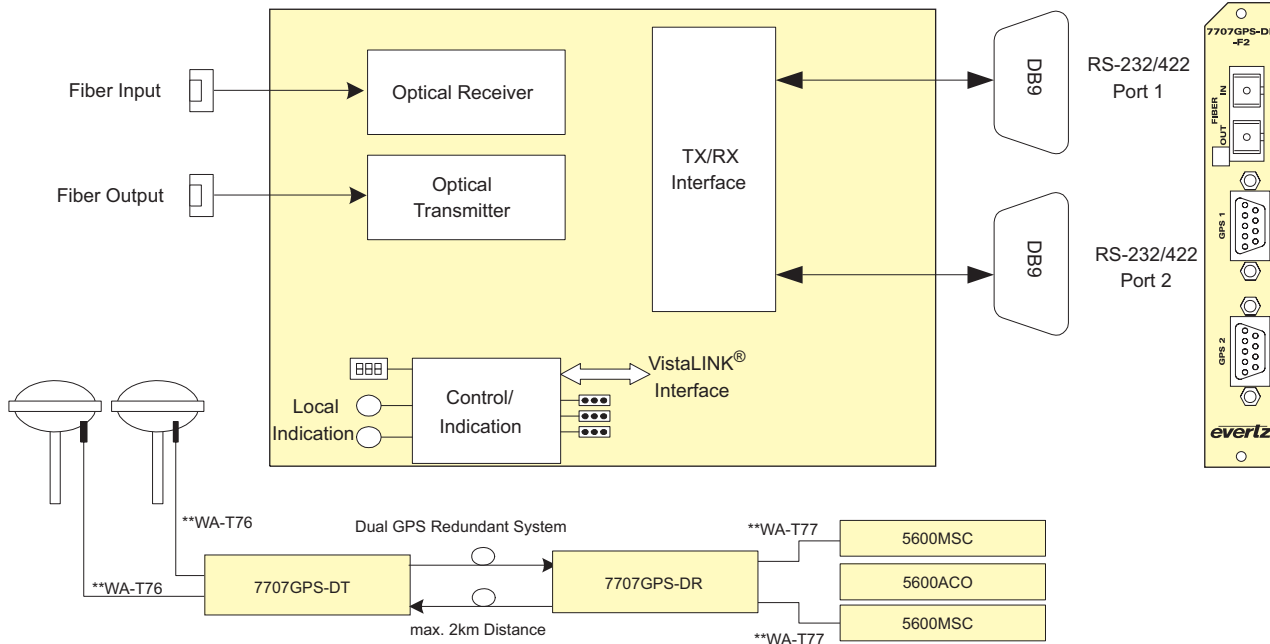




### ► Features & Benefits

- Transports GPS data signals from two Trimble Acutime series Smart Antennas simultaneously
- Allows user to run 1 or 2 Acutime series GPS heads for primary and redundant links
- All configuration settings are controllable through the card-edge user interface, or VistaLINK®
- Optical output wavelength of 1310nm or 1550nm provides a 2km transmission distance of GPS data signal
- Low latency
- Compatible with multi-mode and single-mode fiber (contact factory for multi-mode applications)
- SC/PC, ST/PC, or FC/PC fiber connector options
- Fully hot-swappable from front of frame
- 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 or 350FR frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame



\*\*Evertz recommends that only these cables be used for connecting the specified equipment to the 7707GPS-DT and 7707GPS-DR. See Accessories for ordering details.

### ► Specifications

<p><b>GPS Serial Data:</b>                  Number of Signals: 2 bi-directional GPS signals                  Connector: 2xDB-9 connectors                  Type: RS-232 or RS-422 (selectable)                  Bit Rate RS-232/RS-422: 115kb/s</p> <p><b>Optical Input/Outputs:</b>                  Number of Connections: 2                  Connector: Female SC/PC, ST/PC or FC/PC                  Max. Input Power: 0dBm                  Input Optical Sensitivity: -22dBm                  Fiber Size and Type: 9µm core/single mode on TX, 62.5µm core/multi-mode on RX                  Output Wavelength: 1310nm, 1550nm (nominal)</p>	<p><b>Output Power:</b>                  1310nm FP (Standard): -7dBm ±1dBm                  1550nm DFB: 0dBm ±1dBm</p> <p><b>Electrical:</b>                  Voltage: +12V DC                  Power: 6W</p> <p><b>GPS Power:</b>                  Voltage: +17V DC                  Power: 7W                  Current: 200mA</p> <p><b>Connecting Cables** (see Ordering Options):</b>                  Number of cables 2</p>	<p><b>Physical (number of slots):</b>                  350FR: 1                  7700FR-C: 1                  7800FR: 1</p> <p><b>Compliance:</b>                  Laser Safety: Class 1 laser product                  Complies with 24 CFR 1040.10 and 1040.11                  IEC 60825-1                  EMI/RFI: Complies with FCC Part 15, Class A                  EU EMC Directive</p>
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### ► Ordering Information

<b>7707GPS-DR13-F2</b>	Dual GPS Data Fiber Receiver, 1310nm FP Tx and Rx
<b>7707GPS-DR15-F2</b>	Dual GPS Data Fiber Receiver, 1550nm DFB Tx and Rx

**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  
**+1RU** 1RU rear plate for use with 7701FR Multiframe  
**+SA** Standalone Enclosure Rear Plate

**Connector Suffix**  
**+SC** SC/PC  
**+ST** ST/PC  
**+FC** FC/PC

#### Accessories

**WA-T76** 100' IF cable for 5600MSC, GPSII and 7707GPS-DT  
**WA-T77** 100' IF cable for 7707GPS-DR to 5600MSC

Notes\*\*

\*\*Please specify the quantity of WA-T76 and WA-T77 cables required to connect the 7707GPS-DT and 7707GPS-DR to the Acutime Head and 5600MSC or 5010-GPSII respectively. The 7707GPS-DT and 7707GPS-DR are only compatible with the WA-T76 and WA-T77 cables. See diagram and Accessories for more information.

#### Enclosures

**350FR** 3RU Portable Multiframe which holds up to 7 single slot modules  
**7700FR-C** 3RU Multiframe which holds up to 15 single slot modules  
**7800FR** 3RU Multiframe which holds up to 15 single slot modules  
**7801FR** 1RU Multiframe which holds up to 4 single or 2 dual slot modules  
**7701FR** 1RU Multiframe which holds up to 3 single or dual slot modules  
**S7701FR** Standalone Enclosure