The 2408LT is an outdoor fiber optic transmitter for RF signals in the satellite L-Band or wider frequency range. It accepts a single RF input on coaxial cable and provides a single output for optical transmission. Packaged in a compact, standalone enclosure, the 2408LT is ideal for mounting on or near the satellite dish antenna structure. The -WP version features dust and water protection allowing outdoor mounting without a secondary enclosure. A full power RF monitor output provides a convenient means of obtaining peak satellite signal strength, or additional signal distribution.

SmartMON™, incoming RF signal strength, LNB current, status of connected 2400PSU–8 power supply and other data are relayed over the fiber output for monitoring through SNMP/VistaLINK[®] (requires SmartMON™ capable companion fiber receiver). The 2408LT also provides a DC pass through mode for LNB power and comprehensive indicators that provide status information on the input DC power and RF drive level as well as LNB power status.

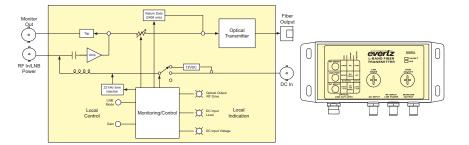
For GPS applications, 2408LT13-5V-B50 can be used to power-up GPS

antenna with 5V supply and transport GPS signals over fiber when combined Gain may be adjusted manually or managed automatically via AGC. With with 2406LR-5V-B50 receiver.

Features & Benefits

- Directly mount to antenna structure or other outdoor locations
- -WP Weatherproof version does not require secondary enclosure
- Wide frequency range for extended L-Band, over the air DTV and other signals
- Protocol-independent design transports all modulation formats
- DC pass-through and 13V DC modes for LNB power ٠
- . LNB current limit & short circuit protection
- . LNB current monitoring
- Minimizes coaxial cable length for superior CNR performance .
- 22kHz tone on/off for LNB local oscillator control

- RF monitor output for signal peaking and signal distribution
- Manually adjustable or AGC gain modes
- Tri-color LED status indicators for Link RF drive strength, LNB voltage and DC input voltage level
- SmartMON™ capability provides remote status monitoring via SNMP without a separate data connection
- Fiber link provides electrical isolation between antenna
- and facility mitigating ground loop and lightning issues
- GPS antenna systems



Specifications					
RF Input: Number of Inputs: Connector:	1 F–Type (50Ω BNC Optional)	Output Impedance: Return Loss: Frequency Range:	75Ω (50Ω Optional) > 15dB	Other 2408LT mode	els: +18V DC nominal, +11 to +20V DC range (>LNB min input voltage required when powering an LNB)
Conductor Range: Input Impedance:	23–18 AWG (0.26-0.82 mm ²) 75Ω (50Ω Optional)	Output Level:	Within –2dB of input signal	Power: Connector:	2W max excluding LNB Power F–Type
Frequency Range:	850MHz-3000MHz	Optical Output: Number of Outputs:	1	Conductor Range:	23-18 AWG (0.26-0.82 mm ²)
	> 11dB > 15dB	Connector: Operating Wavelengt Standard: CWDM:	Female FC/APC	Physical Dimension	s (with flanges): 5.4"L x 2.4"W x 1.2"H (138mm L x 61mm W x 31mm H)
Input Power Range: Manual Gain Range: AGC Hold Range: Input IP3:	-10dBm to -60dBm +2 to +30dB in 2dB steps -8 to -38dBm ± 2dBm +10dBm	Output Power: Standard 1310nm: CWDM:	+2dBm +2dBm	Compliance: Laser safety:	Class 1 laser product, Complies with 24 CFR 1040.10 and 1040.11 IEC 60825–1
IMD:	< –55dBc at –15dB input and min.gain	RF System Perform Flatness:	ance 2408LT+7708LRA pair:	EMI/RFI:	Complies with FCC Part 15, Class / EU EMC directive
LNB Power: Voltage: Current:	DC Input–0.5V DC, 13.5V DC, off (selectable) 500mA	950–2150MHz: 88MHz–3GHz:	± 1.5dB ± 2.0dB ± 0.25dB on 36MHz BW to 2.3GHz	Safety:	CSA Listed to CSA C22.2 No. 60065–03, UL 60065-03 IEC 60065 — (2001–12) 7th Edition
Protection: LO Control:	Short Circuit, current limited 22kHz on/off (selectable)	Gain variation over te	± 2dB (from –20°C to +70°C)	Environmental: Temperature:	
RF Monitor Output: Number of Outputs:	1	DC Input: Voltage: 2408LT13–5V–B50: 4.8–5.2V DC (range must be		1310nm: CWDM: Dust & Water Protect	-20 to +70°C -20 to +60°C ion: IP65 (-WP version only)
Connector: Conductor Range:	F–Type (50Ω BNC Optional) 23–18 AWG (0.26–0.82 mm ²)		supplied by a regulated 5V source)		

Ordering Information

2408LT13	L–Band Standalone Fiber Transmitter with SmartMON™, 1310nm DFB laser	2408LT27-61-WP-	B50 L–Band Standalone/Weatherproof Fiber Transmitter SmartMON™, CWDM DFB laser, 50ΩBNC Connect
2408LT13-WP	L–Band Standalone/Weatherproof Fiber Transmitter with SmartMON™, 1310nm DFB laser	2408LT13-5V-B50	L–Band Standalone/Weatherproof Fiber Transmitter wit SmartMON™, CWDM DFB laser, 50ΩBNC Connectors
2408LT13-B50	L–Band Standalone Fiber Transmitter with SmartMON™, 1310nm DFB laser, 50Ω BNC Connectors	Ordering Options	
2408LT13-WP-B50	L–Band Standalone/Weatherproof Fiber Transmitter with SmartMON™, 1310nm DFB laser, 50Ω BNC Connectors	+PS	18V DC external power supply brick 100–240V AC auto-ranging input, indoor mounting with F-Type conne
2408LT27 TO 61	L–Band Standalone Fiber Transmitter with SmartMON™,		
	CWDM DFB laser P L–Band Standalone/Weatherproof Fiber Transmitter with SmartMON™, CWDM DFB laser	see 2307LR, 7708L	oply see 2400PSUA–8 catalog page. For companion recei RA/7708LR–H and 7807LR–2 catalog page. For integrate h enclosure see 24000DU catalog page.
2408LT27-61-B50	L–Band Standalone Fiber Transmitter with SmartMON™, CWDM DFB laser, 50Ω BNC Connectors		