

Series F Whyte High Power Fibre Optic Transmitters (coming soon)

WFTX3-G1 HP



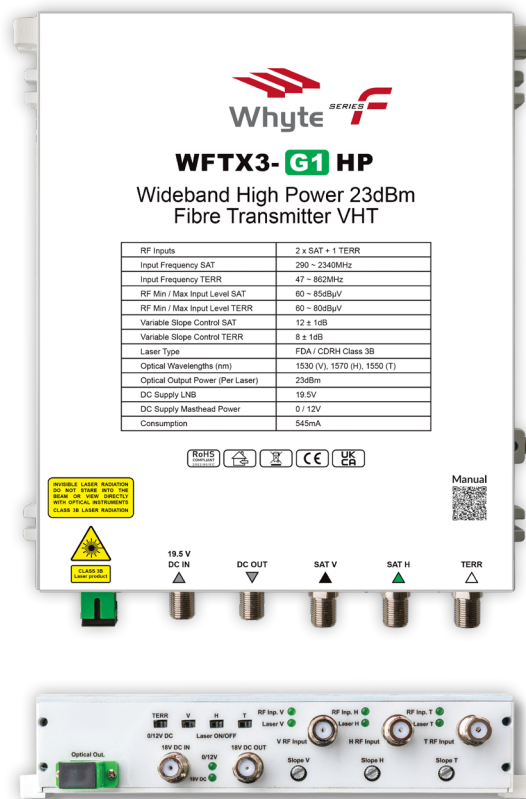
- 4 Year Warranty
- Single laser per Input
- Wideband SAT Input
- Full band TERR Input
- Variable Slope Control
- RF and Laser Indicators
- Multiple mounting options
- Low MER Degradation
- Satellite and Terrestrial Optical Transmitter
- 23dBm Optical Power supporting 1024-Way split

Whyte Technologies introduces the WFTX3-G1 HP, the industry's first compact, high-power 23dBm Optical Transmitter that requires neither 19" rack mounting nor active fan cooling. Designed with passive cooling, this transmitter is perfect for riser environments where space is limited. With a powerful 23dBm optical output, it easily supports large-scale Fibre IRS systems up to 1024-Way splits. Quick to install, the WFTX3-G1 HP comes complete with the WPSU-19.5V power supply for added convenience.

The WFTX3-G1 HP Optical Fibre Transmitter delivers a high-performance and reliable solution for Fibre IRS applications. Each input is equipped with its own dedicated laser, and all signals are combined using CWDM (Coarse Wavelength Division Multiplexing) into a single optical output. This design minimises signal loss and ensures optimal quality. The Vertical and Horizontal SAT inputs are compatible with all Wideband LNBs, accepting signals from 290MHz to 2340MHz, while the TERR input (47MHz to 862MHz) supports FM, DAB, and DTT services.

Packed with advanced features, the WFTX3-G1 HP includes DC input and output, individual Laser On/Off switches for the V, H, and TERR inputs, and Variable Slope Control for precise signal adjustment. It also features a Masthead Power switch for enabling or disabling 12V DC at the TERR RF input.

When used in conjunction with other products from the Whyte Series F range, the WFTX3-G1 HP enables robust and scalable FTTH (Fibre to the Home), FTTC (Fibre to the Cabinet), and FTTB (Fibre to the Block) Fibre IRS deployments.



MODEL	WFTX3-G1 HP
RF Inputs	2x SAT + 1 TERR / 75Ω Female F-Type
Input Frequencies SAT	290 ~ 2340MHz
Input Frequencies TERR	47 ~ 862MHz
RF Input Sequence	V, H, T (left to right)
RF Min/Max Input Level SAT	60 ~ 85dBμV
RF Min/Max Input Level TERR	60 ~ 80dBμV
SAT Input Return Loss	>10dB
TERR Input Return Loss	>8dB
Variable Slope Control SAT	0 (Flat) to 12 ±1dB
Variable Slope Control TERR	0 to 8 ±1dB
RF Input Isolation	>30dB (port to port)
RF Input Status	Below Min Input LED = Off
Laser type	FDA/CDRH Class 3B
Optical Output (SC APC)	1
Optical Wavelengths	1530nm (V), 1570nm (H), 1550nm (T)
Optical Output Power (Per Laser)	23dBm
Optical Output On/Off	Switch (per laser)
Optical Output Status	LED (per laser)
Maximum Optical Splits	x1024
DC Supply LNB H & V	19.5V DC
DC Supply Masthead Power MHP	12V DC (switchable)
DC Input	18V DC
DC Indicator	LED On / Off
DC Output (Aux)	19.5V rated to 2.5A
Consumption	545mA
Operating Temperature Range	-10 to 50°C
Dimensions L x W x H (mm)	148 x 190 x 36
Weight	1330g