



**Quattro Optical Receiver (300-2350 MHz)
with wideband (V+H) and DTT outputs
IDLF-RXQTO1-W3023-OPR
Item: 6126**

The Unifiber™ Quattro optical receiver connects to an Inverto's Unifiber™ optical transmitter over a fiber passive-optical-network to receive satellite and terrestrial signals combined over a single fiber cable. A status LED helps installers to validate the power of the optical signal and guarantee the quality of the RF signals at the outputs of the receiver. This Quattro receiver features four Quattro ports (VL, VH, HH, HL), two wideband ports (vertical and horizontal) and an independent DTT port supporting all FM, DAB and DTT broadcasts. The receiver can be powered via the satellite output ports or through an external power supply via the DC in port. The compact and robust die-cast housing makes it ideal for riser/shaft installations addressing fiber-to-the-building applications.

Main Features:

- Optical Quattro receiver with independent Wideband and DAB/DTT outputs (UK version)
- Built-in high dynamic range optical AGC (-15~-5dBm) increasing signal quality
- Optical wavelength 1100-1650 nm, compatible with Inverto's Unifiber™ transmitters
- Wideband frequency range 300 ~ 23540 MHz
- Quick and easy install, powered from external power supply or satellite ports
- Compact, robust die-cast housing, for indoor installations (IP54)



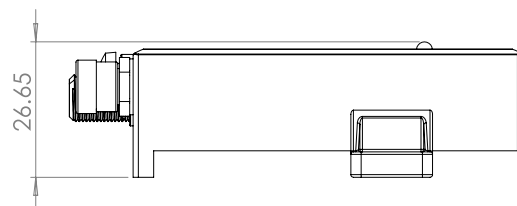
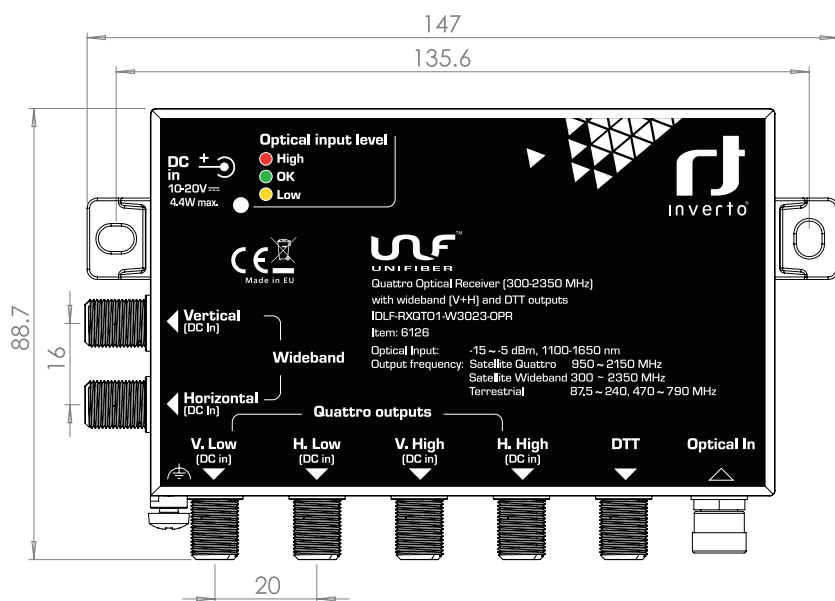
Technical data

Optical input	
Wavelength	1100 ~ 1650 nm
Optical input level	-15 ~ -5 dBm
Optical port	1, FC/UPC
Satellite Quattro output ports	4x VL, VH, HH, HL color coded; F-type
Output frequency range	2x 950 ~ 2150 MHz + 2x 1100 ~ 2150 MHz
Output power level	-28 dBm (80dBuV)
Output level variation	4 dB max.
Power supply	10 - 20 VDC
Return loss	10 dB min.
Impedance	75 Ω
Satellite Wideband output ports	2x Horizontal, Vertical; F-type
Output frequency range	300 ~ 2350 MHz
Output power level	-28 dBm (80dBuV)
Power supply	10 - 20 VDC
Return loss	10 dB min.
Impedance	75 Ω
DTT output port	1x, F-type
Output frequency range	FM/DAB/VHF 88 ~ 240 MHz UHF 470 ~ 790 MHz
Output power level	-28 dBm (80dBuV)
Output level variation	4 dB max.
Return loss	8 dB min.
Impedance	75 Ω
Power supply - via DC in	10 - 20 V DC, 3.5/1.3 mm DC jack
Power consumption	4.4 W max.
Earth terminal	Yes
Optical input level LED	Green = OK, RED = High optical input power, Yellow=Low optical input power
Operating temperature	-20°C ~ +50°C
Dimensions	149 x 89 x 26 mm
Weight	360 g



Logistical info

Packaging dimensions (h x w x d)	16.4x10.2 x 3.1 cm
Packaging weight	0.4 kg
Quantity per carton	20 pcs
Carton dimensions (h x w x d)	33.9 x 32.2 x 12.2 cm
Carton weight	8 kg
Quantity per pallet	1200 pcs



For purpose of brevity, some product descriptions in this sheet remain at platform level and may not be referred to as detailed datasheets of the products. Inverto Digital Labs reserves the right to amend, omit or add products, product-lines, and / or features without notice.

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