



**Quad Optical Receiver (290-2340 MHz)  
with wideband (V+H) and DTT outputs  
IDLF-RXQD01-W2923-OPR  
Item: 6129**

The Unifiber™ Quad 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 Quad receiver features four satellite universal ports (each with combined DTT signal), 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 STBs that are connected to the satellite output ports or through an external power supply via the DC in port. Its power saving mode when universal ports are inactive and its compact housing makes it ideal for indoor fiber-to-the-home installations.

**Main Features:**

- Optical Quad receiver with independent Wideband and DAB/DTT outputs (UK version)
- Built-in high dynamic range optical AGC (-15~-5dBm) increasing signal quality
- 4 independent Universal ports with combined DTT signal and power saving mode
- Optical wavelength 1100-1650 nm, compatible with Inverto's Unifiber™ transmitters
- Wideband frequency range 290 ~ 2340 MHz
- Quick and easy install, powered from external power supply or satellite ports
- Compact, robust die-cast housing, for indoor installations (IP54)



## Technical data

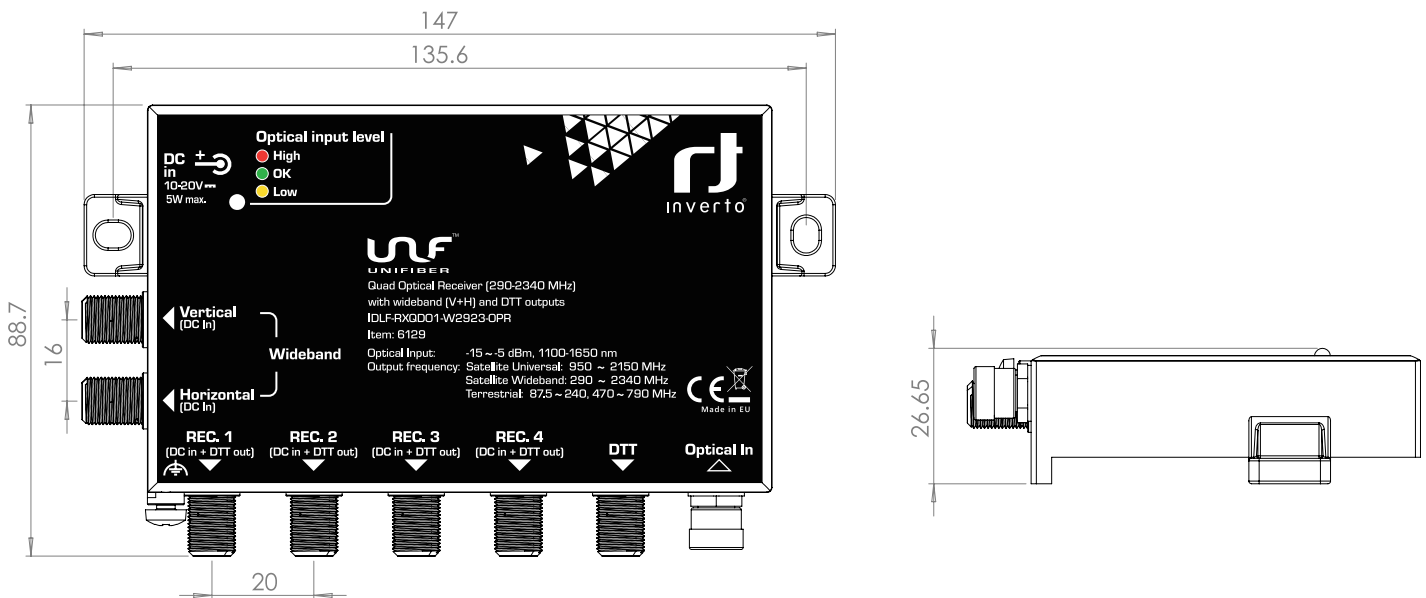
Optical input	
Wavelength	1100 ~ 1650 nm
Optical input level	-15 ~ -5 dBm
Optical port	1, FC/UPC
Satellite Universal output ports	4x, with combined DTT; F-type
Output frequency range	950 ~ 2150 MHz
Output frequency range - DTT	FM/DAB/VHF 88 ~ 240 MHz UHF 470 ~ 790 MHz
Output power level	-33 dBm (75dBuV)
Output power level - DTT	-33 dBm (75dBuV)
Output level variation	4 dB max.
Control signals (Vertical/Horizontal, Low/High band)	13/18 VDC, 0/22kHz
Power supply	10 - 20 VDC
Current consumption per port	60 mA max.
Return loss	10 dB min.
Impedance	75 Ω
Satellite wideband outputs	
Output ports	2x Horizontal, Vertical; F-type
Output frequency range	290 ~ 2340 MHz
Output power level	-28 dBm (80dBuV)
Output power supply	10 - 20 VDC
Return loss	10 dB min.
Impedance	75 Ω
DTT outputs	
Output ports	1x, F-type
Frequency range	FM/DAB/VHF 88 ~ 240 MHz UHF 470 ~ 790 MHz
Output power level	-33 dBm (75dBuV)
Output level variation	4 dB max.
Return loss	8 dB min.
Impedance	75 Ω
Power supply	
Power supply - via DC in	10 - 20 V DC, 3.5/1.3 mm DC jack
Power consumption (all ports active)	5 W max.
Power consumption (universal ports inactive)	2.7 W max.
Earthing 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)	16.4 x 10.2 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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