



Time Distribution Applications

Optical GNSS Receiver Link, Direct GNSS Connection Applications

Features & Benefits

- Optical receiver for GNSS applications
- Supports all GNSS services and bands
- 1, 2 or 4 RF outputs for GPS Direct Interface (image shows 2 outputs)
- Supports up to 6Km Fiber



Product Description

Global Foxcom's compact optical receiver is optimized for direct GNSS receiver connections. The optical receiver is universal and compatible with all available GNSS services. It is equipped with single optical input and up to 4 GNSS signals of output. It is designed to be connected directly with a GPS receiver antenna port and applied to the correct amount of RF power.

The optical receiver module is equipped with adjustable gain for in-room signal level optimization.

Module Specifications

RF	
GPS support	GPS L1,L2, L5, Gllielo E1,E2,E5a+b, Glonass G1,G2,G5 and Beidu B1/B2
Freq range	1100 to 1600MHz
RF Gain	Variable
GPS RF Gain Range	Up to 44dB
RF Output connector	SMA (F)
Optical	
Operating wavelength	1310 to 1550nm
Optical budget / Fiber length	Up to 3dB (6Km of fiber)
Optical connector Type	SC-APC / FC-APC
Mechanical & Electrical	
Operating voltage	12VDC
Power consumption	<5Watt
Unit size	208x138x50mm

Ordering Information

Model Number	Description
TDS-GPL-00-SA-SM-01-00-RX	GNSSS Optical receiver for Link (Direct connection application). Housed in a compact Global Foxcom enclosure, SC-APC optical input ports, Single GNSS SMA type RF Output. Supplied with 100-220V 50/60Hz AC to DC power adapter.
TDS-GPL-00-FA-SM-01-00-RX	GNSSS Optical receiver for Link (Direct connection application). Housed in a compact Global Foxcom enclosure, FC-APC optical input ports, Single GNSS SMA type RF Output. Supplied with 100-220V 50/60Hz AC to DC power adapter.
TDS-GPL-00-SA-SM-02-00-RX	GNSSS Optical receiver for Link (Direct connection application). Housed in a compact Global Foxcom enclosure, SC-APC optical input ports, Dual GNSS SMA type RF Output. Supplied with 100-220V 50/60Hz AC to DC power adapter.
TDS-GPL-00-FA-SM-02-00-RX	GNSSS Optical receiver for Link (Direct connection application). Housed in a compact Global Foxcom enclosure, FC-APC optical input ports, Dual GNSS SMA type RF Output. Supplied with 100-220V 50/60Hz AC to DC power adapter.
TDS-GPL-00-SA-SM-04-00-RX	GNSSS Optical receiver for Link (Direct connection application). Housed in a compact Global Foxcom enclosure, SC-APC optical input ports, Quad GNSS SMA type RF Output. Supplied with 100-220V 50/60Hz AC to DC power adapter.
TDS-GPL-00-FA-SM-04-00-RX	GNSSS Optical receiver for Link (Direct connection application). Housed in a compact Global Foxcom enclosure, FC-APC optical input ports, Quad GNSS SMA type RF Output. Supplied with 100-220V 50/60Hz AC to DC power adapter.

Contact Us for More Ordering Options