



Time Distribution Applications

Optical GNSS Receiver Repeater, Re-radiation Applications

Features & Benefits

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



Product Description

Global Foxcom's compact optical receiver is optimized for re-radiating repeater applications. It is equipped with single optical input and up to 4 GNSS signals of output. It is capable of driving Global Foxcom's GNSS-array Antenna.

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

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

Module Specifications

Ordering Information

Model Number	Description
TDS-GPR-00-SA-SM-01-00-RX	Optical-based GNSS receiver Repeater unit support for L1/L2/L5, GLONASS G1/G2/G3, BeiDou B1/B2, Galileo E1/E5a+b. housed in a compact indoor unit supplied with a 100-22VAC PS. Single RF output. SC-APC Optical connectors, SMA RF connector.
TDS-GPR-00-FA-SM-01-00-RX	Optical-based GNSS receiver Repeater unit support for L1/L2/L5, GLONASS G1/G2/G3, BeiDou B1/B2, Galileo E1/E5a+b. housed in a compact indoor unit supplied with a 100-22VAC PS. Single RF output. FC-APC Optical connectors, SMA RF connector.
TDS-GPR-00-SA-SM-02-00-RX	Optical-based GNSS receiver Repeater unit support for L1/L2/L5, GLONASS G1/G2/G3, BeiDou B1/B2, Galileo E1/E5a+b. housed in a compact indoor unit supplied with a 100-22VAC PS. Dual RF output. SC-APC Optical connectors, SMA RF connector.
TDS-GPR-00-FA-SM-02-00-RX	Optical-based GNSS receiver Repeater unit support for L1/L2/L5, GLONASS G1/G2/G3, BeiDou B1/B2, Galileo E1/E5a+b. housed in a compact indoor unit supplied with a 100-22VAC PS. Dual RF output. FC-APC Optical connectors, SMA RF connector.
TDS-GPR-00-SA-SM-04-00-RX	Optical-based GNSS receiver Repeater unit support for L1/L2/L5, GLONASS G1/G2/G3, BeiDou B1/B2, Galileo E1/E5a+b. housed in a compact indoor unit supplied with a 100-22VAC PS. Quad RF output. SC-APC Optical connectors, SMA RF Connector.
TDS-GPR-00-FA-SM-04-00-RX	Optical-based GNSS receiver Repeater unit support for L1/L2/L5, GLONASS G1/G2/G3, BeiDou B1/B2, Galileo E1/E5a+b. housed in a compact indoor unit supplied with a 100-22VAC PS. Quad RF output. FC-APC Optical connectors, SMA RF Connector.

Contact Us for More Ordering Options

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