XFP SYSTEM
O XFP Chassis

PRODUCT FEATURES

❚ High-Density: 10 ports for 10 XFP-RF transmitters in 1 RU chassis
❚ Individual configuration of OMI, RF amplification, operating mode and SBS status for each of the 10 modules
❚ Energy Efficient: maximally 5W per module
❚ User-friendly web browser interface to set up and configure transmitters
❚ 10 x 75 Ω RF inputs on the rear of the chassis
❚ Two physically separated Ethernet SNMP ports on front and rear
❚ USB port for future interface applications
❚ Option for single or dual power supplies; AC and DC
❚ Field-Replaceable Cooling Fan
❚ Mounts into standard 19- inch racks
❚ Complies with the SCTE HMS HE Optics Management Information Base (MIB) Specifications
❚ Power supply unit not included in delivery, needs to be ordered separately

APPLICATIONS

❚ 50 MHz to 1218 MHz RF- over Fiber applications
❚ C- and L-Band Transport and Distribution
❚ All-Digital QAM networks
❚ Standard HFC- and RFoG networks
❚ DOCSIS 3.1 compatible
❚ Broadcast and Narrowcast services

LESS SPACE - MORE VISION

The DELTA XFP Chassis is specifically designed around the new XFP transmitter module. The reduction of rack-spacing and power consumption in the headend is more than half in comparison to today`s technologies.

Up to 10 XFP-Modules can be deployed in this 1 rack unit high chassis and consume less than 60 W together.

An embedded web server in the chassis allows transmitter modules to be configured with a user-friendly graphical interface through one of the two Ethernet SNMP ports. An element management system can remotely monitor and control the transmitter modules by connecting the chassis to an IP network.

The chassis can be powered with either one AC power supply or one DC power supply in the rear of the chassis. For redundancy, a second power supply can be utilized. For complete powering redundancy in headends or hubs, one AC power supply combined with one DC power supply can be used.

Type	Item No.	Description
O XFP Chassis	57002689	Chassis, XFP-RF transmitter, 1RU, 10 XFP-RF ports
OT XFP PS-AC	57002691	Power supply, AC 105-264 V
OT XFP PS-DC	57002692	Power supply, DC 36-75 V

TECHNICAL SPECIFICATIONS

KEY ADVANTAGES

▐ High Density: 10 transmitters per rack-unit
▐ Power consumption per transmitter less than 5W
▐ Redundant powering capability
▐ User-friendly web browser configuration tool

Type	XFP Chassis
RF Bandwidth	50 MHz to 1.2 GHz
RF Input level	80 dBµV
RF Flatness	+/- 1.5 dB
Return loss	>18 dB
CSO/ CTB	>60 dB
Link noise figure	<20 dB
RF Input connection	standard F-connector, 75 Ω
RF Test point	Available for each Tx-Module
Dimensions	300 mm (W) x 483 mm (D) x 43.6 mm (H)
Operating Temperature Range	0°C - 50°C
Storage Temperature Range	-40°C - 85°C
Power Consumption	60 Watts, max. (with 10 XFP modules)
Communications interfaces	Ethernet SNMP, RJ-45 on front panel
	Ethernet SNMP, RJ-45 on rear panel
	USB port on front panel (future use)
Indicators	LED for each transmitter port(10)
	Summary LED`s for chassis and power supply status
AC Power Supply	105 – 264 Vrms, auto-sensing; 47 – 63 Hz
DC Power Supply	36 – 75 Vdc

DELTA
Electronics