FINISAR®

Key Features

▶ High-Density: 10 ports for XFP-RF transmitters in 1 rack-unit high chassis

▶ Compliant with DOCSIS 3.1 with operating bandwidth above 1.2GHz

▶ User-friendly web browser interface to set up and configure transmitters

▶ Standard F-type connectors for RF input in rear of the chassis

▶ RF Test point for each transmitter port

▶ Front and back Ethernet SNMP ports

▶ USB port for future interface applications

▶ Two slots for hot-swappable pluggable power supply modules

▶ Field-Replaceable Cooling Fan

▶ Mounts into standard 19-inch racks

▶ Complies with the SCTE HMS HE Optics Management Information Base (MIB) Specifications

Applications

▶ 1550nm Broadcast with DWDM Narrowcast Overlay architectures

▶ All-Digital QAM networks

XFP-RF Transmitter Host System
for CATV Hybrid Fiber Coaxial (HFC) Applications

High-density chassis for pluggable 1.2GHz wavelength-tunable XFP-RF transmitters

Overview

Finisar's XFP-RF transmitter rack-mounted host system is specifically designed around the new XFP-RF transmitter module to provide high module density and low power consumption in cable operators' hubs and headends. Ten full-band DOCSIS 3.1 HFC transmitters can be deployed in this 1 rack-unit high chassis. For each transmitter port, the host system provides individual RF amplification and adjustable RF attenuation to optimize the optical module index on each XFP-RF transmitter.

This host system has an embedded controller which provides sophisticated control functions and multiple communication interfaces. A web browser user interface allows the transmitter modules to be configured through one of the two Ethernet SNMP ports. Also, an element management system can remotely monitor and control the transmitter modules by connecting the system to an IP network.

The host system is powered by one or two hot-swappable pluggable power supply modules that install in the rear of the chassis. A fully-loaded host system can be powered by one AC power supply or one DC power supply. For redundancy, a second power supply can be added. For complete power system redundancy in headends or hubs, one AC power supply and one DC power supply can be used simultaneously.

Key Advantages

▶ High-Density: 10 transmitters per rack-unit

▶ Redundant powering capability

▶ User-friendly web browser configuration tool

Specifications

Parameter	Value
RF Bandwidth	50 MHz to 1200 MHz
RF Input Level	+12 dBmV per channel with loading of 153 QAM Channels
RF Impedance	75 Ω single-ended
RF Flatness	1.0 dB typ, peak to peak, 50 MHz to 1003 MHz
RF Input Return Loss	16 dB min, 52 MHz to 1003 MHz
RF Input Connections	F-type connectors (10) on rear
RF Test Point Connections	MCX-75 Female Sockets (10) on front (ANSI/SCTE 176 2011)
Test Point RF level	20dB down from RF input level at F-type connector
Dimensions	449 mm (W) X 378 mm (D) X 44.5 mm (H)
	17.7 in (W) X 14.875 in (D) X 1.75 in (H)
Operating Temperature Range	0˚C to 50˚C
Storage Temperature Range	-40˚C to 85˚C
Power Consumption	60 Watts, Max (includes two power supplies and embedded controller; not XFP-RF transmitter 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 XPACAA	105 to 264 Vrms, auto-sensing; 47 to 63 Hz
DC Power Supply XPDCAA	36 to 75 Vdc

Rear View

Product Selection

Part Number	Description
XC00AAQTZAJ	Host system, XFP-RF transmitter, 1 rack-unit high, 10 XFP-RF ports
XPACAA	Power Supply for XFP-RF Host system 10UP, AC
XPDCAA	Power Supply for XFP-RF Host system 10UP, DC

FINISAR®

1389 Moffett Park Drive
Sunnyvale, CA 94089-1133
www.finisar.com

Phone: +1-408-548-1000
Sales: +1-408-541-5690
Email: sales@finisar.com

Visit Our Website

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Linear Power Supplies *category:*

Click to view products by Finisar *manufacturer:*

Other Similar products are found below :

IF15-15 IHB200-0.12 IHBAA-40W IHC12-3.4 IHC28-2.0 IHC48-1.0 IHD28-4.0 IHE5-18/OVP IP500U24 IP500U48 IF5-25/OVP
IHB250-0.1 IHC24-2.4 IHCAA-60W IHCC24-2.4 IP500U36 IP500U75 IOVP24 ICP197 PPS-03-X XPDCAA IF24-12 IHA5-1.5/OVP
IHB120-0.2A IHB12-1.7 IHC5-6/OVP IHCC15-3.0 IHD12-6.8 IHTAA-16W IOVP12 HAA24-0.6-AG HCC5-6/OVP-AG HDCC-150W-
AG XG5 XG7 HC15-3-A+G HCTI-56-10.2 HE5-18-OV-A+G HC15-3-A+G HDCC150W-A+G HDD15-5-A+G MBAA40W-AG
SLCASK-CVR HD12-6.8-A+G HAA512-A+G HD15-6-A+G HD15-6-A+G MD5-12-OV-A MC12-3.4-A HCC5-6-OV-A+G