

F10-155SH



Overview

The F10-155SH is an optical HUB equipment that features a compact, bidirectional SDH structure. It provides two slots for inserting the HUB155 cards; each card provides 8 downlink STM-1 optical interfaces (OPT1-8) and 2 uplink STM-1 optical interfaces (OPTA/B). A single card can realize DXC function among the services over 10 optical interfaces, with DXC capacity of 630 * 630 VC12. It is suitable for big companies in their applications of data access and interconnection of base stations. HUB100-2D supports CLI management based on RS232 and TELNET, the SNMP_V1 and SNMP_V2 protocols, as well as the C/S-structured network management platform RAYVIEW, implementing configuration, management, and maintenance for the entire complicated network.

Application



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Features

- 1U Height, 19 inches Width. Two slots can be used for inserting up to two HUB155 cards.
- Supports TU-12 granularity cross-connection
- (DXC).
- Service Interface
 - Up to 4 STM-1 uplink optical interfaces (OPTA/B) (2 interfaces per card).
 - Up to 16 STM-1 downlink optical interfaces (OPT1-8) (8 interfaces per card).
 - Employs LC-type SFP optical transceiver; supports hot-swap function and real-time monitoring for the status of optical modules. Uses single-mode fiber, with selectable transmission distance of 15km, 40km, and 80km.
 - Optical interfaces support ALS and RPD functions.
 - Optical interfaces support outward loopback on line side and TU-12 channel outward loopback.
 - All characteristics of the optical interfaces comply with GB/T15941-1995 and ITU-T G.813.
- Auxiliary Interfaces
 - Each card provides an Ethernet management interface : EMU (RJ45 connector).
 - Each card provides a RS232 management interface : CON (RJ45 connector).
 - Each card provides two external synch clock I/O interfaces : ETS1, ETS2 (RJ45 connector).
 - An UALM / DALM (urgent / non-urgent alarm) output interface : U/DALMO(DB9 connector).
- Protective function
 - Supports SNCP(subnet connection protection) function.
- Timing Mode
 - Independent timing for HUB155 cards or unified timing by interconnecting via the uplink optical interfaces or ETS interface.
 - Supports four timing modes: free oscillation, tracking, locking, and holding-up. All of them can be switched either automatically or forcedly by hand.
 - “Tracking internal timing source” is selectable and complies with ITU-T G.813 standard.
 - Timing sources(T11, T12) for tracking uplink STM-1 optical interfaces (OPTA/B) are selectable.
 - “Tracking external synch timing source (T31/T32)” is selectable, with rate of 2.048 Mbit/s.
 - Supports “external synch timing source output (T41/T42)”, with rate of 2.048Mbit/s.
 - “Auto-selection” or “selected by hand” can be set for the timing reference source according to its alarms, frequency offset, SSM ranks, as well as its priorities.
- Equipment Management
 - Supports one network management mode--- Star Embedded DCN.
 - Supports CLI management based on RS232 and TELNET. CLI supports the control over local equipments only and cannot manipulate other NEs in the network.
 - Supports SNMP_V1 and SNMP_V2 protocols; supports the PC-based, C/S-structured network management platform RAYVIEW, implementing configuration, management, and maintenance for the entire network.
 - Supports FTP files transmission protocol; realizes on-line upgrade for the embedded software, and configures data to perform the upload / download operations.
- Provides dual -48V DC power interfaces; supports hot backup, prevents inverse connection and surge occurrence.
- Maximum power consumption is less than 50W.

Ordering Information

F10-155SH-S042FA-82
Standalone STM-1 DXC, 8*2 STM-1 optic, single power module

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