



flexiHaul™

Flexible Fronthaul and Backhaul Solution for 4G and Beyond

HSN-8110 PRODUCT OVERVIEW



HSN-8110 is a part of flexiHaul™ product line. HSN-8110 is compact, pole mounted extended temperature outdoor unit intended to transport CPRI / OBSAI interfaces via WDM over dark fiber. HSN-8110 is used as remote terminal for HSN-8500 or HSN-8300 aggregators. HSN-8110 architecture provides the customer ability to mount the unit together with RRH antenna saving office space and cabling installation.

HSN-8110 support point to point topology. HSN-8110 is effectively managed by EMS providing all necessary tools for datarate and monitoring.

Key Features

- . CWDM remote terminal to transport the following protocols over WDM network : CPRI (Option 2, 3, 5, 7), OBSAI (3.072, 6.144 Gbps)
- . Multiprotocol support
- . CPRI delay (one-way) : transponder < 1 μ s, muxponder < 3 μ s
- . Jitter : less than \pm 2 ppb
- . FEC (Forward Error Correction) support
- . Topology : point to point
- . Maintenance functions: local / remote logical loopbacks
- . Connectivity, signal level, delay, distance measurement
- . Easy outdoor installation and maintenance

SYSTEM SPECIFICATION

System Capacity and Interface

CPRI capacity	Up to 4 channels
CWDM / DWDM	ITU-T G.694.1, ITU-T G.694.2
Service interface	CPRI (Option 2, 3, 5, 7), OBSAI (3.072, 6.144 Gbps), GbE
Optical connector type	LC / APC, LC / PC, SC / APC
Transmission distance	Up to 20 km

Configurations / Power / Environmental

Topology	point to point
Power	- 42 to - 60 VDC
Environmental Operating	- 30 °C to 50 °C Humidity : 5 % to 95 %

OAM

Alarms, statistics, performance monitoring	
Remote management via optical supervisor channel (OSC)	
Fault control Alarm severity	critical, major, minor, warning
Performance monitoring	15 min, past day
Line / CPRI error monitoring	BIP, CV, ES, SES, UAS Input / Output power of CPRI / OBSAI channels
Test function	Local / remote loopback Delay time

Network Management

Operation	EMS (server, client), Craft Terminal Interface
Protocols	TL-1

Physical Characteristics

Dimension	345 (H) x 275 (W) x 117(D) mm
Power consumption	61 W
Weight	6 kg

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