

AC9400 INTELLIGENT HIGH OUTPUT LEVEL NODE WITH RPD SUPPORT



AC9400 is an intelligent 4 output optical node of AC product family. It is a modular node with flexibility to be equipped up to 2x4 operation. The node supports Remote PHY upgrade with a separate RPD lid. RF overlay is possible for both signal directions in RPD operation.

The return path inputs are connected to optical transmitters and/or RPD module via an electrically configurable routing matrix that allows flexible configuration and automatic backup operations.

AC9400 has a USB connector for local configuration with a PC or mobile device. Both signal directions can be automatically aligned.

Optional transponder module allows full remote monitoring and control of all node parameters, fully user configurable automatic level control (ALC) and automatic ingress blocking.

The dual power supplies are monitored and increase the reliability of the node.

Features

- Extremely high output level using 3rd gen. GaN technology
- Optional RPD lid with RF overlay support
- Return path supports 204 MHz bandwidth
- Innovative splice organizing
- Redundant power supplies
- Automatic alignment of both forward and return path
- Flexible electrically controlled forward and return path signal routing
- With AC6992/AC6983 transponder plug-in:
 - CATVisor / HMS (AC6992) or DOCSIS (AC6983) remote connection
 - ALC with fully user programmable pilots
 - Downstream spectrum analyser
 - Upstream signal quality monitoring with automatic ingress control
 - True plug-and-play with single pushbutton alignment
 - Return path pilot generator (AC6992)

Technical specifications

Parameter	Specification
Forward path	
Light wavelength	1290...1610 nm
Optical input power range	-8...0 dBm
Frequency range	85...1218 MHz
Return path	
Frequency range	5...204 MHz
Return loss	18 dB Error! Reference source not found.
General	
Power consumption	67 W Error! Reference source not found.
Supply voltage	27...65 V _{AC}
Optical connectors	SC/APC
Output connectors	PG11
Test point connectors	F female
Dimensions (no RPD)	33(36) x 31(35) x 14 cm h x w x d
Weight (no RPD)	10 kg
Operating temperature	-40...+60 °C
Class of enclosure	IP 54
EMC	EN50083-2
ESD	4 kV Error! Reference source not found.
Surge	6 kV (EN 60728-3)

Compatibility

All accessories that will be used with this product should use the newest generation available. By using only up-to-date accessories a proper operation can be ensured.