

PRODUCT BRIEF



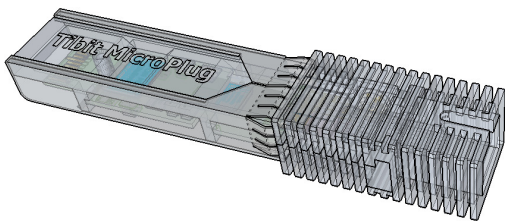
TIBIT MICROPLUG

VIRTUALIZING NETWORKS

TIBIT NG-PON2 10G SFP+ ONT

FEATURES

- 10G OPTICAL TRANSCEIVER WITH EMBEDDED ETHERNET-TO-PON ONT MAC BRIDGE
- HOT-PLUGGABLE SFP+ FOOTPRINT
- SUPPORTS SYMMETRIC 10G/10G MODE OF OPERATION
- COMPLIANT WITH ITU-T G.989 SPECIFICATIONS
- IN-BAND MANAGEMENT VIA ETHERNET OAM
- IEEE1588 TRANSPORT
- CLASS N1 FIXED WAVELENGTHS OPTICS (4 PAIRS):
 - 1524..1544NM EML DFB LASER (10G)
 - 1596..1603NM APD/TIA BURST RECEIVER (10G)
- INTEGRATED DIGITAL DIAGNOSTICS AND MONITORING (SFF-8472)
- SINGLE FIBER SC RECEPTACLE
- MULTI-RATE LOCAL INTERFACE:
 - SFI (10G)
 - 1000BASE-X (1.25G)
- ENHANCED JITTER PERFORMANCE
- LOW POWER
- COMMERCIAL TEMPERATURE



OVERVIEW

TIBIT'S NG-PON2 ONT MICROPLUG IS A HOT-PLUGGABLE SFP+ OPTICAL TRANSCEIVER WITH A BUILT-IN 10G ETHERNET-TO-NG-PON2 ONT MAC BRIDGE. IT USES FIXED WAVELENGTHS DWDM OPTICS TO LOWER THE COST OF THE FINAL SOLUTION.

THIS 10G NG-PON2 ONT PLUGS INTO LOW-COST ETHERNET SWITCHES OR OTHER ETHERNET-ENABLED NETWORKING EQUIPMENT WITH SFP OR SFP+ SOCKETS INSTANTANEOUSLY ENABLING THEM TO BE PART OF A 10G NG-PON2 NETWORK.

THE SFP+ OLT IS WELL SUITED FOR SOFTWARE DEFINED NETWORKING (SDN) AND NETWORK FUNCTION VIRTUALIZATION (NFV) WITH ITS IN-BAND ETHERNET OAM CAPABILITY.

THE TIBIT MICROPLUG ENABLES SERVICE PROVIDERS TO QUICKLY DEPLOY HIGH-BANDWIDTH SERVICES IN AN AGILE, ELASTIC, AND DYNAMIC WAY.

THE SFP+ OLT MICROPLUG ALLOWS AN OPERATOR TO CREATE AN ONT SOLUTION AT REMOTE LOCATIONS WITHOUT ENVIRONMENTALLY CONTROLLED CABINETS. THIS APPROACH SIGNIFICANTLY LOWERS CAPEX/OPEX COSTS.

THE TECHNOLOGY REQUIRES LESS SPACE AND POWER THAN ANY OTHER PRODUCT ON THE MARKET.

APPLICATIONS

- PON ONT CONNECTIVITY FOR CPE DEVICES
- OUTSIDE PLANT PON ACCESS BRIDGE CONNECTIVITY
- WIRELESS BACKHAUL
- HIGH-BANDWIDTH BUSINESS PON CONNECTIVITY
- MDU-LOCATED PON BRIDGE
- HIGH-DENSITY PON AGGREGATION
- DATA CENTER PON

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Part Number	Link Budget	Case Temp
TPNN-33N1221S-5CA0	Class N1	0..70C
TPNN-33N1331S-5CA0	Class N1	0..70C
TPNN-33N1441S-5CA0	Class N1	0..70C
TPNN-33N1551S-5CA0	Class N1	0..70C