

PRODUCT BRIEF



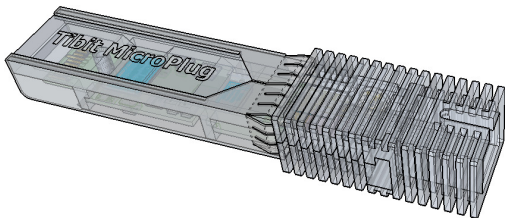
TIBIT MICROPLUG

VIRTUALIZING NETWORKS

TIBIT NG-PON2 10G SFP+ OLT

FEATURES

- 10G OPTICAL TRANSCEIVER WITH EMBEDDED ETHERNET-TO-PON OLT MAC BRIDGE
- HOT-PLUGGABLE SFP+ FOOTPRINT
- SUPPORTS SYMMETRIC (10G/10G) OR ASYMMETRIC (10G/2.5G) RATES
- COMPLIANT WITH ITU-T G.989 SPECIFICATIONS
- IN-BAND MANAGEMENT VIA ETHERNET OAM
- IEEE1588 TRANSPORT
- CLASS N1 FIXED WAVELENGTHS OPTICS (4 PAIRS):
 - 1596..1603NM EML DFB LASER (10G)
 - 1524..1544NM APD/TIA BURST RECEIVER (10G/2.5G)
- INTEGRATED DIGITAL DIAGNOSTICS AND MONITORING (SFF-8472)
- SINGLE FIBER SC RECEPTACLE
- SFI LOCAL INTERFACE
- ENHANCED JITTER PERFORMANCE
- LOW POWER
- COMMERCIAL TEMPERATURE



OVERVIEW

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

THIS 10G NG-PON2 OLT PLUGS INTO LOW-COST ETHERNET SWITCHES OR OTHER ETHERNET-ENABLED NETWORKING EQUIPMENT WITH 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) BY ENABLING VIRTUAL OLT (VOLT) OR DISTRIBUTED OLT.

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 OLT 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 OLT CONNECTIVITY FOR ETHERNET SWITCH PORTS
- 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
TPNL-36N1221S-5CA0	Class N1	0..70C
TPNL-36N1331S-5CA0	Class N1	0..70C
TPNL-36N1441S-5CA0	Class N1	0..70C
TPNL-36N1551S-5CA0	Class N1	0..70C