



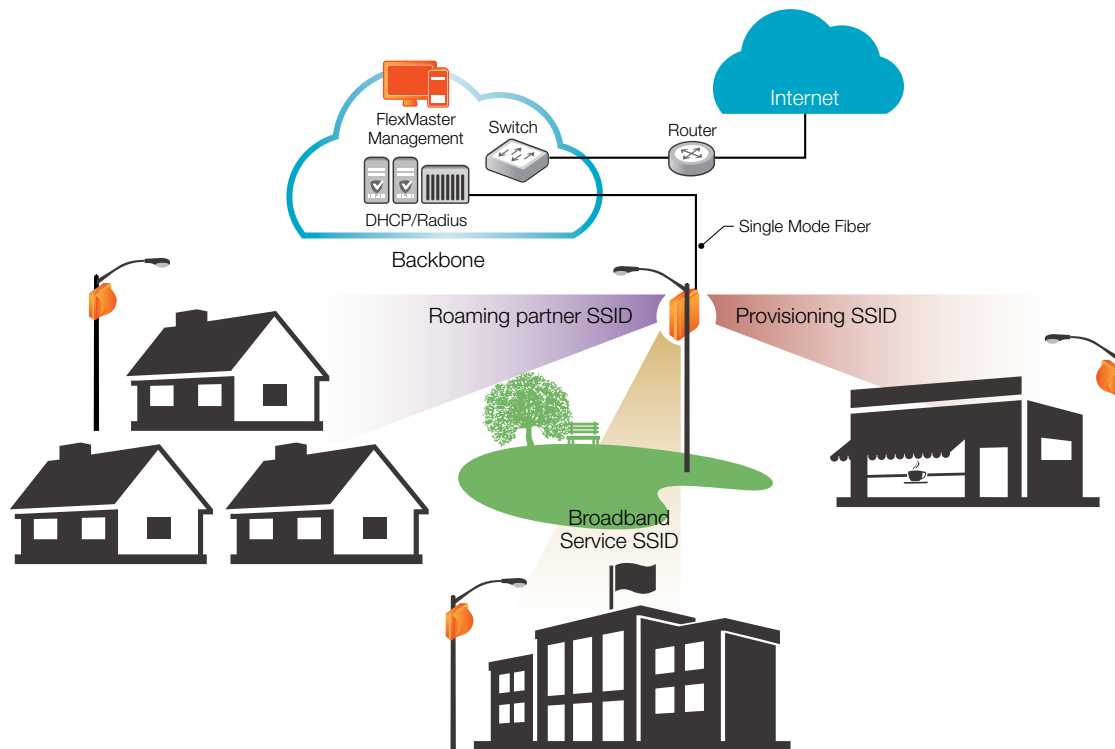
data sheet

Fiber Node FIBER OPTIC GATEWAY FOR MESH WI-FI NETWORKS

BENEFITS

- Provides fiber backhaul option for the Ruckus T30x/P300 families of outdoor access points and bridges
- Converts the 10/100/1000Mbps Ethernet from the AP to fiber via an SFP cage.
- Converts VAC to PoE to power the access point
- Field installable on existing equipment

Fiber Node is an optional, field installable, accessory providing customers a unified Point-Of-Presence (POP) and fiber Optic Network Terminal (ONT) backhaul interface for P300 Point-to-point Bridge and T300, T300e, T301s and T301n access points. It also provides a PoE power injector for the associated access point.



Specifications

PHYSICAL CHARACTERISTICS

POWER	<ul style="list-style-type: none"> Powered by 90-240VAC source
PHYSICAL SIZE	<ul style="list-style-type: none"> 20.7 x 17.6x 6.8 cm
WEIGHT	<ul style="list-style-type: none"> 6 lbs (with mounting hardware)
ETHERNET PORTS	<ul style="list-style-type: none"> 1Gbps port Power Output: 48VDC, 24W
ENVIRONMENTAL CONDITIONS	<ul style="list-style-type: none"> Operating Temperature range: -20 to 65C Weather protection: IP67 per IEC 60529
MOUNTING OPTIONS	<ul style="list-style-type: none"> Ships with a bracket that allows the Access Point to be mounted on one side, with the Fiber Node on the other side

EPON OPTICAL SPECIFICATIONS

REACH	<ul style="list-style-type: none"> EPON/DPoE 20Km reach 9/125 μm SMF SC/UPC
FOOTPRINT	<ul style="list-style-type: none"> EPON ONU in MSA SFP footprint
RECEPTACLE	<ul style="list-style-type: none"> Single fiber bi-directional SC receptacle
Tx POWER	<ul style="list-style-type: none"> 1310μm -1 dBm (min) to 4 dBm (max)
Rx SENSITIVITY	<ul style="list-style-type: none"> 1500μm -27 dB (min)
COMPATIBILITY	<ul style="list-style-type: none"> Compatible with EPON OLTs and CPE equipment
MISCELLANEOUS	<ul style="list-style-type: none"> Meets China Telecom EPON equipment technical requirement V2.1

1000BASE-LX SPECIFICATIONS

REACH	<ul style="list-style-type: none"> 1000Base-LX 10Km reach 9/125μm SMF LC-Duplex
RECEPTACLE	<ul style="list-style-type: none"> Dual fiber unidirectional LC-Duplex receptacle
Tx POWER	<ul style="list-style-type: none"> 1310 μm -0 to -3 dBm
Rx SENSITIVITY	<ul style="list-style-type: none"> 1310 μm -19 dBm max

MANAGEMENT AND MONITORING CAPABILITIES

EPoN	<ul style="list-style-type: none"> Supports CTC OAM and DPoE IEEE 802.3ah-2005 compliance Built-in digital diagnostics
1000Base-LX	<ul style="list-style-type: none"> IEEE 802.3ah-2005 compliance TS-1000 compliance IP based remote management SNMP V1, V2C, (4 RMON groups and SNMP traps)

CERTIFICATION SPECIFICATIONS

Safety	<ul style="list-style-type: none"> UL 60950-1 UL 60950-22 CAN/CSA C22.2 60950-1 EN 60950-1 EN 60950-22 IEC 60950-1 IEC 60950-22
Health and Human Safety to RF exposure	<ul style="list-style-type: none"> EN 62311
Hazardous materials	<ul style="list-style-type: none"> RoHS
Recycle design	<ul style="list-style-type: none"> WEEE
Emissions	<ul style="list-style-type: none"> FCC Part 15 B (Class B) ICES-003 (Class B) EN 55022 (Class B)
Immunity	<ul style="list-style-type: none"> EN55024

Product Ordering Information

MODEL	DESCRIPTION
Full Accessory Kits	
P01-0300-0000	Weathertight Fiber Optic Enclosure, Field Installable Accessory for T300/T301 series and P300.

Class 1 Laser Products and comply with US FDA regulations.

These products are certified by TÜV and CSA to meet the Class 1 eye safety requirements of EN (IEC) 60825 and the electrical safety requirements of EN (IEC) 60950.

