

## DATA SHEET

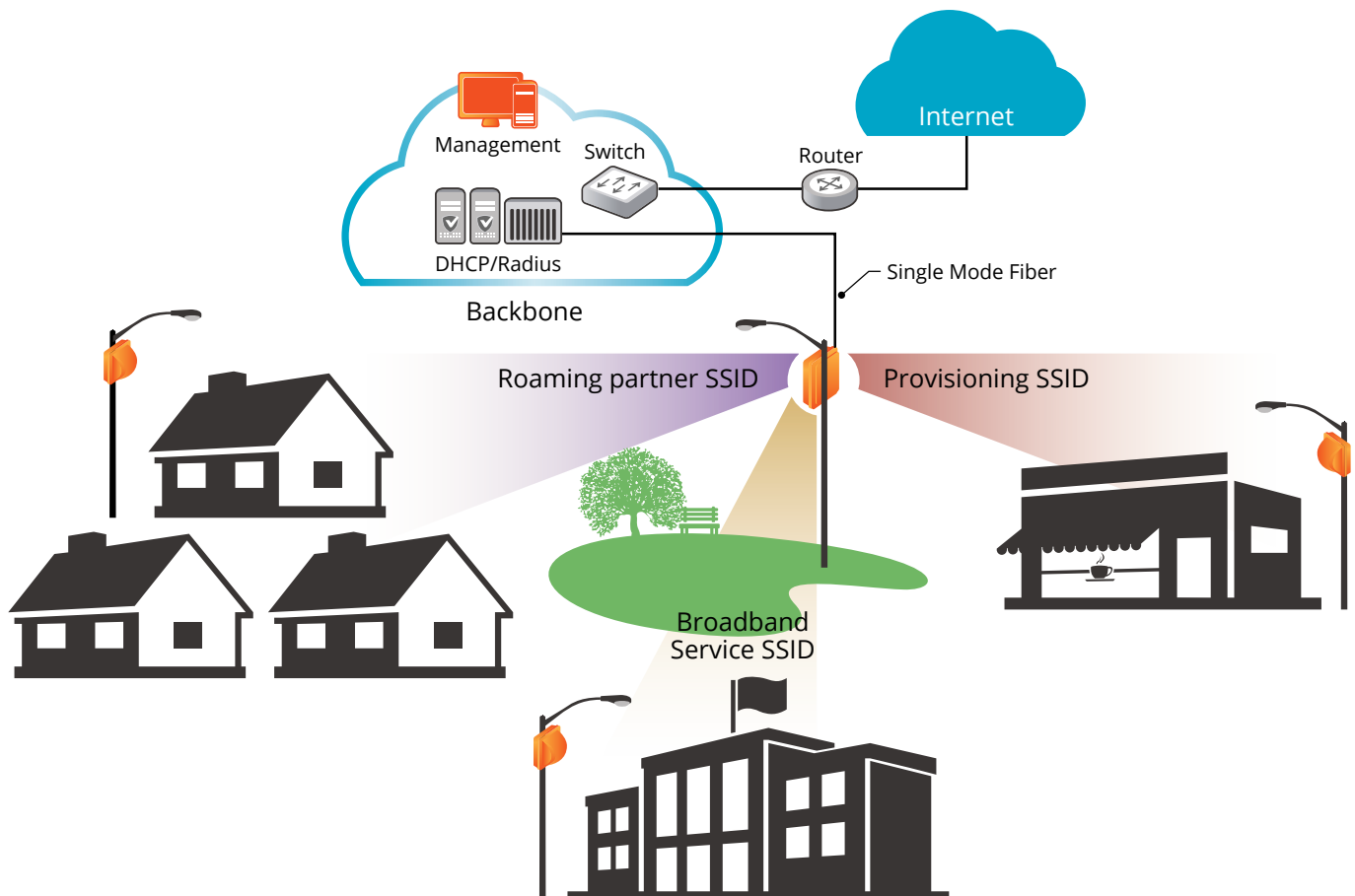


### FIBER OPTIC GATEWAY FOR MESH WI-FI NETWORKS

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, T310c, T310d and T301n access points. It also provides a PoE power injector for the associated access point.

### BENEFITS

- Provides fiber backhaul option for the Ruckus T30x/T310c/d/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



## SPECIFICATIONS

PHYSICAL CHARACTERISTICS	
<b>Power</b>	<ul style="list-style-type: none"> <li>Powered by 90-240VAC source</li> </ul>
<b>Physical Size</b>	<ul style="list-style-type: none"> <li>20.7 x 17.6x 6.8 cm</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>6 lbs (with mounting hardware)</li> </ul>
<b>Ethernet Ports</b>	<ul style="list-style-type: none"> <li>1 Gbps port</li> <li>Power Output: 48VDC, 24W</li> </ul>
<b>Environmental Conditions</b>	<ul style="list-style-type: none"> <li>Operating Temperature range: -20 to 65C</li> <li>Weather protection: IP67 per IEC 60529</li> </ul>
<b>Mounting Options</b>	<ul style="list-style-type: none"> <li>Ships with a bracket that allows the Access Point to be mounted on one side, with the Fiber Node on the other side</li> </ul>

EPON OPTICAL SPECIFICATIONS	
<b>Reach</b>	<ul style="list-style-type: none"> <li>EPON/DPoE 20Km reach 9/125 μm SMF SC/UPC</li> </ul>
<b>Footprint</b>	<ul style="list-style-type: none"> <li>EPON ONU in MSA SFP footprint</li> </ul>
<b>Receptacle</b>	<ul style="list-style-type: none"> <li>Single fiber bi-directional SC receptacle</li> </ul>
<b>Tx Power</b>	<ul style="list-style-type: none"> <li>1310μm -1 dBm (min) to 4 dBm (max)</li> </ul>
<b>Rx Sensitivity</b>	<ul style="list-style-type: none"> <li>1500μm -27 dB (min)</li> </ul>
<b>Compatibility</b>	<ul style="list-style-type: none"> <li>Compatible with EPON OLTs and CPE equipment</li> </ul>
<b>Miscellaneous</b>	<ul style="list-style-type: none"> <li>Meets China Telecom EPON equipment technical requirement V2.1</li> </ul>

1000BASE-LX SPECIFICATIONS	
<b>Reach</b>	<ul style="list-style-type: none"> <li>1000Base-LX 10Km reach 9/125μm SMF LC-Duplex</li> </ul>
<b>Receptacle</b>	<ul style="list-style-type: none"> <li>Dual fiber unidirectional LC-Duplex receptacle</li> </ul>
<b>Tx Power</b>	<ul style="list-style-type: none"> <li>1310 μm -0 to -3 dBm</li> </ul>
<b>Rx Sensitivity</b>	<ul style="list-style-type: none"> <li>1310 μm -19 dBm max</li> </ul>

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

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.

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

## PRODUCT ORDERING INFORMATION

MODEL	DESCRIPTION
<b>Full Accessory Kits</b>	
<b>P01-0300-0000</b>	Weathertight Fiber Optic Enclosure, Field Installable Accessory for T300/T301/T310 series and P300.