

## DATA SHEET



### BENEFITS

- Provides fiber backhaul option for the H510 access point (AP).
- Converts the 10/100/1000Mbps ethernet from the AP to fiber via an SFP cage.
- Supports both PON and Active Fiber SFP modules
- Provides power supply to AP by converting DC input power to PoE out.
- Installs unnoticeably with H510 AP.

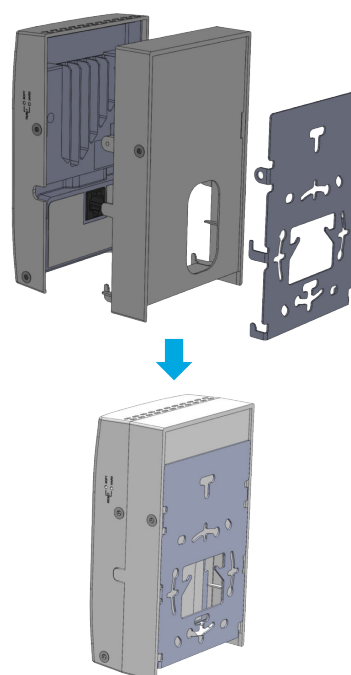
### FIBER BACKPACK FOR H510

In the hospitality segment today, fiber-based deployments require an Optical Network Terminal (ONT) to connect access points (APs), deployed in hotel room, to fiber media. Most ONTs today don't support active and passive types of fiber SFP modules. In addition, installing an ONT along with an AP leads to wire clutter and other challenges, which can impact room aesthetics.

Ruckus Fiber Backpack is an optional, field installable, Fiber-to-Ethernet Media Converter accessory providing customers a fiber Optical Network Terminal (ONT) backhaul interface for H510 Wall-plate AP, our leading hospitality AP.

Ruckus Fiber Backpack simplifies Wi-Fi deployments for fiber-ready hotels/ MDU. The custom designed fiber backpack attaches unnoticeably to the H510. It supports both PON and Active Fiber SFP modules. It also provides power over PoE to the attached H510 AP.

Figure 1. H510 Fiber Backpack Wall Bracket



## SPECIFICATIONS

PHYSICAL CHARACTERISTICS	
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>External 48V DC Power Supply 902-0170-XXYY</li> <li>DC Terminal Block                             <ul style="list-style-type: none"> <li>DC Input Voltage Range: 42.5V to 57V</li> <li>Wire Gauge: 12 to 22 (AWG)</li> </ul> </li> </ul>
<b>Physical Size</b>	<ul style="list-style-type: none"> <li>8.95 x 14.67 x 2.45 cm (without cover)</li> <li>8.95 x 14.67 x 4.18 cm (with cover)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>0.132 Kg (0.29 lb)</li> </ul>
<b>Ethernet Ports</b>	<ul style="list-style-type: none"> <li>1Gbps port</li> </ul>
<b>Fiber</b>	<ul style="list-style-type: none"> <li>SFP, 1Gbps, NBASE-X</li> </ul>
<b>Environmental Conditions</b>	<ul style="list-style-type: none"> <li>Operating Temperature range: 0 to 40C</li> <li>Humidity: Up to 95% non-condensing</li> </ul>
<b>Mounting Options</b>	<ul style="list-style-type: none"> <li>Mounts on the wall with H510 mounted on the other (non-wall) side</li> </ul>

POWER	
<b>Max. Power Consumption</b>	<ul style="list-style-type: none"> <li>1 W (max) without SFP module</li> </ul>

Management and Monitoring Capabilities	
<b>PON</b>	<ul style="list-style-type: none"> <li>IEEE 802.3ah-2005 compliance</li> </ul>
<b>1000Base-LX</b>	<ul style="list-style-type: none"> <li>IEEE 802.3ah-2005 compliance</li> <li>TS-1000 compliance</li> </ul>

Certification Specifications	
<b>Standards Compliance</b>	<ul style="list-style-type: none"> <li>EN 55032 Level 2/3 EMC</li> <li>EN 55024 EMC</li> <li>EN 50121-1 Railway EMC</li> <li>EN 50121-4 Railway Immunity</li> <li>EN 60601-1-2 Medical</li> <li>IEC 60950-1 &amp; IEC 62368-1 Safety</li> <li>IEC 61373 Shock &amp; Vibration</li> <li>EN 50155 Transportation</li> <li>ISTA 2A Transportation</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>

## PRODUCT ORDERING INFORMATION

Model	Description
<b>P01-0500-0000</b>	<ul style="list-style-type: none"> <li>Fiber Optic Enclosure, Fiber-to-Ethernet Media Converter. Field Installable Accessory for H510</li> </ul>

## ACCESSORIES

OPTIONAL ACCESSORIES	
RUCKUS NBASE-X SFP MODULES	
<b>902-0202-0000</b>	<ul style="list-style-type: none"> <li>EPON Optical Network Terminal, SFP Optic Module, 20km reach, single mode, SC/UPC,-40 to 85C, Includes SC/UPC fiber patch cable</li> </ul>
<b>E1MG-LX-OM</b>	<ul style="list-style-type: none"> <li>1000BASE-LX SFP optic, SMF, LC connector, optical monitoring capable</li> </ul>
<b>E1MG-SX-OM</b>	<ul style="list-style-type: none"> <li>1000BASE-SX SFP optic, MMF, LC connector, optical monitoring capable</li> </ul>
POWER SUPPLY	
<b>902-0170-XXYY</b>	<ul style="list-style-type: none"> <li>Power Supply (48V, 0.63A, 30.24W) (Sold in quantities of 1 or 10)</li> </ul>
BACKPACK ACCESSORIES	
<b>902-0501-0000</b>	<ul style="list-style-type: none"> <li>Installation kit with Backpack cover and installation wall bracket for Standalone Backpack use-case.</li> </ul>
<b>902-0502-0000</b>	<ul style="list-style-type: none"> <li>Cable cover to be installed on Backpack when 902-1100-XXXX (Ruckus IoT module with cover) is installed on H510.</li> </ul>

PLEASE NOTE: When ordering PoE injectors or power supplies, you must specify the destination region by indicating -US, -EU, -AU, -BR, -CN, -IN, -JP, -KR, -SA, -UK, or -UN instead of -XX.

YY specifies the quantity: 00 = 1 unit, 01 = 10 units.