RUCKUS Fiber Backpack

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.

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 Optic 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.
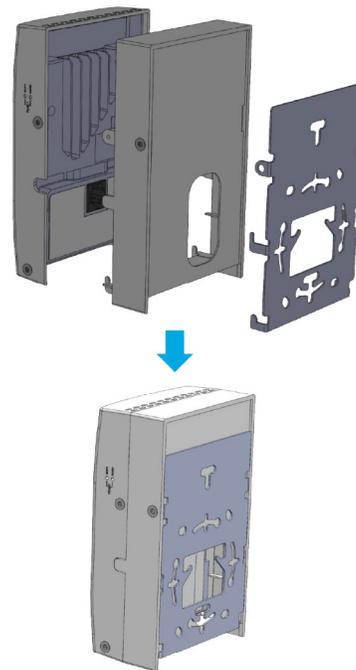
Figure 1. H510 Fiber Backpack Wall Bracket

Specifications

PHYSICAL CHARACTERISTICS

Power Supply	• External 48V DC Power Supply 902-0170-XXYY
	• DC Terminal Block
	  – DC Input Voltage Range: 42.5V to 57V
	  – Wire Gauge: 12 to 22 (AWG)

Physical Size	• 8.95 x 14.67 x 2.45 cm (without cover) • 8.95 x 14.67 x 4.18 cm (with cover)
Weight	• 0.132 Kg (0.29 lb)
Ethernet Ports	• 1Gbps port
Fiber	• SFP, 1Gbps, NBASE-X
Environmental Conditions	• Operating Temperature range: 0 to 40C • Humidity: Up to 95% non-condensing
Mounting Options	• Operating Temperature range: 0 to 40C • Humidity: Up to 95% non-condensing

POWER

Max. Power Consumption	• 1 W (max) without SFP module

MANAGEMENT AND MONITORING CAPABILITIES

PON	• IIEEE 802.3ah-2005 compliance
1000Base-LX	• IEEE 802.3ah-2005 compliance • TS-1000 compliance

CERTIFICATION SPECIFICATIONS

Standards Compliance	• EN 55032 Level 2/3 EMC • EN 55024 EMC • EN 50121-1 Railway EMC • EN 50121-4 Railway Immunity • EN 60601-1-2 Medical • IEC 60950-1 & IEC 62368-1 Safety • IEC 61373 Shock & Vibration • EN 50155 Transportation • ISTA 2A Transportation
Hazardous Materials	• RoHS
Recycle Design	• WEEE

Product Ordering Information

MODEL	DESCRIPTION
P01-0500-0000	• Fiber Optic Enclosure, Fiber-to-Ethernet Media Converter. Field Installable Accessory for H510

Accessories

OPTIONAL ACCESSORIES

RUCKUS NBASE-X SFP MODULES	
E1MG-LX-OM	• 1000Base-LX SFP optic, SMF, LC connector, Optical Monitoring Capable
E1MG-SX-OM	• 1000Base-SX SFP optic, MMF, LC connector, Optical Monitoring Capable
POWER SUPPLY	
902-0170-XXYY	• Power Supply (48V, 0.63A, 30.24W) (Sold in quantities of 1 or 10)
Power Supply (48V, 0.63A, 30.24W) (Sold in quantities of 1 or 10)	
902-0501-0000	• Installation kit with Backpack cover and installation wall bracket for Standalone Backpack use-case. Available in bulk packs (x25)
902-0502-0000	• Cable cover to be installed on Backpack when 902-I100-XXXX (Ruckus IoT module with cover) is installed on H510. Available in bulk packs (x25)

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 quanity: 00 = 1 unit, 01 = 10 units.

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NETWORKS