



We Connect the World



WLO-15823FDD

FDD Wireless Backhaul, Up to 40KM, Up to 80Mbps
(5725-5825MHz, 25dB, 23dBi Panel Antenna Integrated)

FDD

Up to 40Km distance

Up to 80Mbps throughput

5725-5825MHz

128-bit AES

PheeNet WLO-15823FDD is designed for Point to Point Wireless Backhaul connection for long distance up to 40KM and high capacity up to 80Mbps by FDD technology.

After integrate with E1 / T1 modem, WLO-15823FDD Wireless Backhaul connection is most valuable Wireless E1 / T1 solution for Telecom operators to carry voice, video and data simultaneously.

With the high throughput and long-distance transmission, it is the appropriate Wireless backhaul solution for Carriers, Service Providers and Enterprises.

APPLICATION:



FEATURES:

1. Actual reachable testing range up to 40 km
2. High throughput up to 80Mbps
3. Support Bridge (PTP)
4. High security, 128-bit AES
5. <1ms End to End Packet Latency
6. Ease of Installation (Real time Link Test for Local and Remote RSSI)
7. Transmit Power Control
8. Bandwidth Control (40 / 20 / 10 / 5 MHz)
9. IEEE802.1p QOS for voice, video streaming priority
10. IP67 Rated Waterproof Metal Outdoor Enclosure with Vent Design

SPECIFICATION:

Wireless	
Standard	Proprietary
Frequency Band	5725-5825MHz (5725-5865MHz & 5785-5825MHz)
Modulation	64QAM 3/4, 64QAM 1/2, 16QAM 3/4, 16QAM 1/2, QPSK 3/4, QPSK 1/2, BPSK 3/4, BPSK 1/2
Throughput	20MHz: 70Mbps 40MHz: 125Mbps
Channel Bandwidth	5/10/20/40MHz
Security	128-bit AES
Sensitivity	20MHz: 64QAM 3/4: -70dBm 64QAM 1/2: -75dBm 16QAM 3/4: -78dBm 16QAM 1/2: -82dBm QPSK 3/4: -84dBm QPSK 1/2: -86dBm BPSK 3/4: -88dBm BPSK 1/2: -90dBm 40MHz: 64QAM 3/4: -68dBm 64QAM 1/2: -73dBm 16QAM 3/4: -76dBm 16QAM 1/2: -80dBm QPSK 3/4: -82dBm QPSK 1/2: -84dBm BPSK 3/4: -86dBm BPSK 1/2: -88dBm
Maximum RSL	-15dBm error free 0 dBm no damage
Output Power	25dBm @BPSK 1/2 20dBm @64QAM 3/4
Transmit Power Control	5 levels (Customization available: 1dB Power Control Step)
Operating Mode	PTP Bridge
Software Features	Link Test Tool (Real Time Local and Remote RSSI) Spanning Tree (STP) 802.1Q VLAN pass through NTP Client
Management	Web-Based management Remote firmware upgradeable Support SNMP V1/V2/V3 (Private MIB, 802.11 MIB) QoS (802.1P Ethernet)

Hardware	
Processor	Intel IXP425 533 MHz Atheros AR5414
Flash	16MB
SDRAM	32MB
Antenna Integrated	23-dBi Panel Antenna
LED Indication	Power, Ethernet ,Wireless, RSSI (5 LEDs)
Ethernet	10/100BASE-TX auto-negotiation Ethernet port x 1 (RJ-45 connector) Auto MDI/MDI-X enabled, IEEE802.3af Power Over Ethernet Compatible
Environment	Operating Temperature: -30 °C ~ 80 °C Storage Temperature: -30 °C ~ 85 °C Humidity: 100%(non condensing)
Power Supply	802.3af PoE, 48V 0.35A
Waterproof	IP67 Certificated
Mounting	Wall Mount, Pole Mount, Optional Pole Mount for Light Pole
Dimensions	335 (L) x 335 (W) x 81 (H) mm

PheeNet Technology Corp.

Rm. 3, 20F, NO. 79, Hsin Tai Wu Rd., Sec. 1,
Hsi-Chih, Taipei, Taiwan
<http://www.pheenet.com>
TEL: 886-2-26982011 FAX: 886-2-26981421

