LW-DLB5P-90-20

LigoWave DLB PRO 5.8Ghz TDMA, Outdoor Base Station

Product Overview

LigoWave DLB PRO 5.8Ghz Outdoor TDMA, Base Station, 30dBm, 20dBi 90 degrees integrated, Up to 64 CPE, 1xGB



Specifications

Overview:

Powerful, integrated antenna base-station

The powerful hardware platform based on the QCA 9557 chipset (720 MHz) and 128 MBytes of RAM/Flash memory makes the LigoDLB PRO series access point an ideal solution for resource demanding installations with a high number of clients connected to a single AP. The 48V Gigabit Ethernet port (802.3af) allows you to utilize the full capacity of the base-stations.

The all-in-one design reduces the risk of cable failures and decreases the signal loss, as the radio is connected directly to the antenna. Such integration allows you to save tower space and improves the cost which helps to speed up your ROI.

Features:

- Powerful hardware platform
- Based on a QCA 9557 chipset (720 MHz) and 128 MBytes of
- RAM/Flash memory the LigoDLB PRO series access points are
- an ideal solution for resource demanding installations with
- a high number of clients connected to a single AP. The 48V
- Gigabit Ethernet port (802.3af) allows utilizing the full capacity of
- the base-stations.

Integrated antenna design

- The all-in-one design reduces the risk of cable failures and
- decreases the signal loss, as the radio is connected directly to
- the antenna. Such integration allows saving tower space and
- improves the cost which helps to speed up your ROI.

Solid mount

- The LigoDLB PRO mounting bracket allows 15 degrees down-tilt when
- doing antenna alignment. Supported pole diameters are from 25
- mm (0.98 inch) to 75 mm (2.95 inches). All devices have an IP-67
- enclosure and integrated surge suppression to provide best in
- class protection from harsh weather conditions in any climate zone.

Improved noise immunity

- Metal enclosure works as a deflector eliminating interference
- caused by backlobes and rejecting noise when multiple
- base-stations are co-located on a single tower. Apart from RF
- shielding the metal housing works as a heatsink, allowing better
- RF performance by dissipating the heat generated by the radio.

Specifications:

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Specifications	
Product Code	LW-DLB5P-90-20
Model name	Coverage recommendation
LigoDLB PRO 2-90-16	10 km (6.2 mi)
LigoDLB PRO 2-90-19	14 km (8.7 mi)
LigoDLB PRO 5-90-	17 7 km (4.3 mi)
LigoDLB PRO 5-90-20	12 km (7.5 mi)
Wireless	
WLAN standard	IEEE 802.11 a/b/g/n, iPoll 2 & 3
Radio mode	MIMO 2x2
Radio frequency band	2 GHz models: 2.402 - 2.492 GHz (FCC 2.412 - 2.462 GHz)
	5 GHz models: 5.150 - 5.850 GHz (FCC 5.150 - 5.250 and 5.725 - 5.850 GHz)
Transmit power	Up to 30 dBm (country dependent)
Channel size	5,10, 20, 40 MHz
Modulation schemes	802.11 a/g/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK)
	802.11 b: DSS (CCK, DQPSK, DBPSK)
Data rates	802.11 n: 300, 270, 240, 180, 120, 90, 60, 30 Mbps
	802.11 a/g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps
	802.11 b: 11, 5.5, 2, 1 Mbps
Error correction FEC	Selective ARQ
Duplexing scheme	Time division duple
Antenna	

Type Integrated dual	polarized 90 degree sector antenna
Gain	LigoDLB PRO 2-90-16 - 16 dBi
	LigoDLB PRO 2-90-19 - 19 dBi
	LigoDLB PRO 5-90-17 -17 dBi
	LigoDLB PRO 5-90-20 - 20 dBi
Wired	
Interface	10/100/1000 Base-T, RJ45 (802.3af)
Physical	
Dimensions	574 mm (22.6 "), 114 mm (4.5 "), 46 mm (1.8 ")/ 942 mm (37.1 "), 114 mm (4.5 "), 46 mm (1.8 ")
Weight	3000 g (6.6 lb)/ 3600 g (7.94 lb)
Mounting	pole mount included
Power	
Power supply	37 - 56 VDC PoE 802.3af (AC to DC adapter included)
Power source	100 - 240 VAC
Power consumption (max)	10 W
Environmental	
Operating temperature	40 degreesC (-40 F) ~ 65 degreesC (149 F)
Humidity	0 ~ 90 % (non-condensing)
Management	
System monitoring	SNMP, Syslog, Web UI, WNMS
Configuration	WebUI, WNMS
Regulatory	
Certification	FCC/IC/C

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/LW-DLB5P-90-20-LigoWave-DLB-PRO-5-8Ghz-TDMA-Outdoor-Base-Station-p-148108.php

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