



DLB 2-9-TH Outdor Wireless Device

DATASHEET

Specifications

Wireless	
WLAN standard	IEEE 802.11 b/g/n, iPoll (proprietary)
Radio mode	MIMO 2x2
Radio frequency band	2.4 GHz
Transmit power	Up to 11 * dBm
Receive sensitivity	Varying between -95 and -76 dBm depending on modulation
Channel size	5,10, 20, 40 MHz
Modulation schemes	802.11 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 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 duplex

Antenna Type Gain

Integrated directional panel antenna 9 * dBi

Wired Interface

10/100 Base-T, RJ45

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(*For Thailand)

Software				
Wireless operating modes	Access point (auto WD	S), access point (iPoll 2), station (WDS,	, iPoll 2), station (ARP NAT)	
Wireless techniques		Smart station polling, smart auto-channel, adaptive auto modulation, automatic transmit power control (ATPC)		
Wireless security	WPA/WPA2 personal, V	WPA/WPA2 personal, WPA/WPA2 enterprise, WACL, user isolation		
Wireless QoS	4 queues prioritizatior	n on iPoll 2		
Network operating modes	Bridge, router iPv4, rou	uter IPv6		
Network techniques	Routing with and with	Routing with and without NAT, VLAN		
WAN protocols	Static IP, DHCP client, F	PPPoE client		
Services	DHCP server, SNMP ser	rver, NTP client, router advertisement	daemon, ping watchdog	
Management	HTTP(S) GUI, SSH, SNN	1P read, WNMS, Telnet		
Tools	Site survey, link test, a	ntenna alignment		
Physical				
Dimensions	Length 140 mm (5.51 '	"), width 90 mm (3.54 "), height 35 m	וm (1.38 ")	
Weight	122 g (4.3 oz)			
Power				
Power supply	12 - 24 VDC passive Pc	bE (24 V passive PoE adapter is includ	ded in the package)	
Power source	100 – 240 VAC			
Power consumption (max)	6 W			
Environmental				
Operating temperature	-40°C (-40 F) ~ +65°C (-	+149 F)		
Humidity	0 ~ 90 % (non-conden	ising)		
Management				
System monitoring	SNMP v1/2c/3 server, S	Syslogs, system alerts via e-mail and	SNMP trap	
Regulatory				
Certification	FCC/IC/CE			
Antenna specifications				
V Pol	0 30 60 90 10 150 180 210	HPo 30 90 10 10 150 180 10 10 10 10 10 10 10 10 10 1	30 90 120 150 180	
Azimuth	Elevation	Azimuth	Elevation	

Internal antenna

Frequency range

Gain	9 * dBi
Polarization	Dual linear
VSWR	<1.5
Azimuth beamwidth (H pol)	60 deg
Azimuth beamwidth (V pol)	60 deg
Elevation beamwidth	60 deg



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2.4 GHz