



## DLB 5-15B-TH Outdor Wireless Device

## DATASHEET

## Specifications

Wireless			
WLAN standard	IEEE 802.11 a/n, iPoll (proprietary)		
Radio mode	MIMO 2x2		
Radio frequency band	5 GHz		
Transmit power	Up to 15 * dBm		
Receive sensitivity	Varying between -97 and -75 dBm depending on modulation		
Channel size	5,10, 20, 40 MHz		
Modulation schemes	802.11 a/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK)		
Data rates	802.11 n: 300, 270, 240, 180, 120, 90, 60, 30 Mbps		
	802.11 a: 54, 48, 36, 24, 18, 12, 9, 6 Mbps		
Error correction	FEC, Selective ARQ		
Duplexing scheme	Time division duplex		
Antenna			
Туре	Integrated directional panel antenna		
Gain	15 * dBi		
Wired			
Interface	10/100 Base-T, RJ45		

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Software				
Wireless operating modes	Access point (auto WDS), access point (iPoll 2), station (WDS, iPoll 2), station (ARP NAT)			
Wireless techniques	Smart station polling, smart auto-channel, adaptive auto modulation,			
Wireless security	automatic transmit power control (ATPC) WPA/WPA2 personal, WPA/WPA2 enterprise, WACL, user isolation			
Wireless QoS	4 queues prioritization on iPoll 2			
Network operating modes	Bridge, router iPv4, router IPv6			
Network techniques	Routing with and without NAT, VLAN			
WAN protocols	Static IP, DHCP client, PPPoE client			
Services	DHCP server, SNMP server, NTP client, router advertisement daemon, ping watchdog			
Management	HTTP(S) GUI, SSH, SNMP read, WNMS, Telnet			
Tools	Site survey, link test, antenna alignment			
Physical				
Dimensions	Length 150 mm (5.9 ''), width 115 mm (4.5 ''), height 55 mm (2.1 '')			
Weight	450 g (16.2 oz)			
Mounting	Combination wall / pole mount with quick swap bracket included			
Power				
Power supply	12 - 24 VDC passive PoE	(24 V passive PoE adapter is inc	luded in the package)	
Power source	100 – 240 VAC			
Power consumption (max)	4.5 W			
Environmental				
Operating temperature	-40°C (-40 F) ~ +65°C (+149 F)			
Humidity	0 ~ 90 % (non-condensing)			
Management				
System monitoring	SNMP v1/2c/3 server, Syslogs, system alerts via e-mail and SNMP trap			
Regulatory				
Certification	FCC/IC/CE			
Antenna specifications				
V Pol	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	H Pol	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Internal antenna	Lievation	Azintuti	Lievation	
Frequency range			5 GHz	
Gain			15 * dBi	
Polarization			Dual linear	
VSWR			<1.4	
Azimuth beamwidth (H pol)			35 deg	
Azimuth beamwidth (V pol)			35 deg	
Elevation beamwidth			35 deg	



## LB 5-15B-TH

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