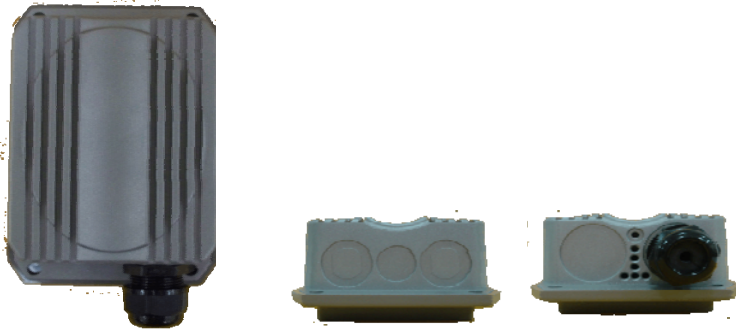


**Model No.: WCB1010H5PX Wireless-bg, 2.4GHz, 500mW Outdoor AP Brdige
(Built-in 10dBi Antenna)**



Lanready outdoor WCB1010H5PX is the point of connection to Wireless Outdoor Network for service provider deploying last mile services to business or residential broadband subscribers.. Network administrators can create multiple subscriber service tier using per-subscriber rate limiting features, and manage centrally. Lanready outdoor WISP bridge utilizes a 500mW high power with a Built-in 2.4GHz 10dBi patch antennas . WCB1010H5PX may connect to the WiFi mesh or WDS infrastructure and provides the subscriber with an Ethernet connection for a local access .

Lanready outdoor high power Bridge supports two operational modes, the AP mode and the WDS mode, respectively with built-in remote management features simplify the deployment and reduce cost for continued maintenance of the outdoor bridge .

High Lights

- 500mW at 2.4Ghz Output Power
- Built in 10dBi , 2.4 (H110, E60) Sector Antenna
- Support IEEE 802.11bg
- Operates in the 2.4 GHz ISM band
- Topology : Point to Point ; Point to Multi Point
- Operation Modes : Access Point, Repeater(WDS) ,Bridge, CPE
- Maxmum Security with 802.1x, WPA, and AES
- Support QoS & WMM
- Integragted Power over Ethernet (PoE)
- Multiple Virtual AP & Capability of Client Isolation
- Business –class WLAN Security and Client Authentications
- Provide Advanced Wireless Setting (ACK/CTS)
- Support Web management and SNMP MIB-II

- Over load current protection
- Wide Range Voltage support (12-68VDC)
- Integrated Power over Ethernet (PoE)
- Weather-Proof Housing (IP 68 Approved)
- Weather-Proof M-13 RJ45 Connector and N-Type Connector

Software Feature

Wireless Architecture Mode :

- AP Mode
- WDS Mode (Repeater/Bridge)
- CPE Mode

Access Point Feature

- Number of ESSID : 8
- Number of associated clients per AP : 32
- Three Mode : AP Mode , WDS Mode , and CPE Mode
- WDS Mode : to extend wireless coverage by connecting wirelessly to another WDS capable AP.
Support up to 8 WDS links
- Slot Time , ACK/CTS Timeout
- RSSI threshold support
- TX burst support
- Beacon interval: adjustable to best adapt to the deployment environment
- IAPP : to facilitate faster roaming for the stations among different APs nearby
- 802.11n protection : to let the transmission rate of associated 802.11g and 802.11b not to be affected with surrounding existence of 802.11b stations
- RTS and fragmentation control
- Adjustable transmission power : 9 Levels
- Wireless site survey : for scanning the surrounding access points for connection
- VLAN tag support

Gateway Function in the CPE Mode

- Built-in NAT mode : to support IP sharing on the LAN side for multiple users (subscribers) to get access to the Internet
- Built-in DHCP server for issuing local IP address
- Built-in DNS client
- IP/Port forwarding and DMZ
- IP/MAC rule filtering

**LanReady Technologies Inc.**

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Authentication/Encryption (Wireless Security)

- Data encryption: WEP(64/128/152-bits) , WPA/WPA2 with TKIP or AES-CCMP
- User Authentication : WEP, IEEE802.1X,WPA-PSK,WPA-Enterprise , MAC ACL
- Setting for TKIP/CCMP/AES key's refreshing period
- Support IEEE802.11 mixed mode , open and shared key authentication
- Hidden ESSID: broadcast SSID option can be turn off to prevent SSID broadcast to the public
- Station Isolation setting : when enabled , all stations associated with this AP can not communicate with each other
- Support data encryption over WDS link

Quality of Service

- DiffServ/TOS
- IEEE802.11p/COS
- IEEE 802.11Q Tag VLAN priority control
- IEEE802.11e WMM

Management

- Web-Based management interface
- Remote configuration and management
- Remote firmware upgradeable
- Software one-button-click to reset back to factory defaults
- Utilities for system configuration backup and restoration
- SNMP MIBII support (v2c/v3)
- NTP time synchronization
- Syslog client
- Support Event log
- Support statistics on total transmission encountered and transmitting error occurred

Hardware Specification

Hardware Specification	
Base Platform	
Processor	AR2315
Wireless Radio	WiFi-G , 2.4GHz
Standards Conformance	IEEE 802.3 / IEEE 802.3u
Network Ports	<ul style="list-style-type: none">- 1 * 10/100Mbps Ethernet ports with weatherproof connectors- IEEE 802.3, 802.3u compliant- CSMA/CD 10/100 auto sense- Power over Ethernet
Flash	4MB
SDRAM	16MB



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LED Indication	Power , LAN ,Wireless , Wireless Strength (3* LEDs)
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Wireless Specification	
RF Module	AR2315
Wireless Radio	WiFi-G , 2.4GHz
Network Standards Conformance	IEEE 802.11b/g/h compliant
Data Transfer Rate	IEEE802.11b: 1/2/5/5/11Mbps(auto sensing) IEEE802.11g:6/9/12/18/24/36/48/54/108 Mbps (auto sensing)
Frequency Range	IEEE802.11b/g 2.412 – 2.462GHz(USA) 2.412 -2.484GHz(Japan) 2.412 – 2.472GHz (Europe ETSI) 2.457– 2.462GHz (Spain) 2.457- 2.472GHz (France)
Media Access Protocol	CSMA/CA with ACK
Modulation Method	IEEE 802.11b: DSSS (DBPK,DQPSK,CCK) IEEE 802.11g : OFDM(64-QAM,16-QAM,QPSK,BPSK)
Operating Channels	802.11b/g : 11 for FCC, 14for Japan13 for Europe, 2 for Spain, 4 for France
Transmit Power(TX)	27 dBm :6MB/1MB, 23dBm:54MB
Receive Sensitivity	1Mbps: -96dBm, 6Mbps:-93dBm,11Mbps:-89dBm,54Mbps:-74dBm
Frequency Response Flatness	±1dB over operating range

Environmental & Mechanical Characteristics	
Operating Temperature	-30 °C ~ 60 °C
Storage Temperature	-30 °C ~ 85 °C
Operating Humidity	100% Non-Condensing
Storage Humidity	100% Non-Condensing
Antenna Connector	1 * N-Female Connector
Power Consumption	9 W
Over Load Current Protection	1.1A
Input Power	12-68 VDC
Ethernet Connector	1 * weatherproof Ethernet Connector
Antenna	Built in 10 dBi , 2.4GHz (H110, E60) Sector Antenna
Power Supply	AC Input : 110 – 220V AC Power DC Output : 12 VDC, 1.5A input
Unit Dimensions	WCB1010H5PX : 0.66KG
Unit Weight	WCB1010H5PX: 162(L)x102(W)x58(H) mm
Form Factor	Wall Mount and Pole Mount Ability, Die-Cast aluminum Enclosure with IP67/68 Rating
Certifications	

Standard Packing



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