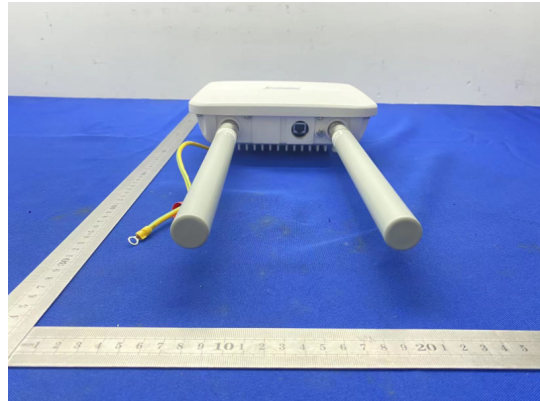


Doublecom DB6000ACL-Pro

5.8GHz 866M Industrial Single-mode Split Wireless AP



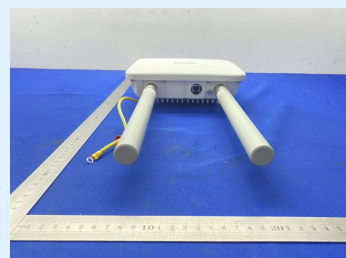
Doublecom DB6000ACL-Pro is a high-power, high-bandwidth and high-performance 5.8GHz industrial enhanced wireless base station supporting 802.11a/n/ac standards. Based on MIMO (multi-in and multi-out) technology, the RF uses the 2T2R architecture and supports 20/40/80 MHz wireless width and 866Mbps physical layer bandwidth. The device has a maximum transmission power of 1000mw and a reception sensitivity of -96dBm. With the external antenna, the transmission distance can be achieved up to 150km or more. The device also uses the 1000M RJ45. In the comprehensive environment of external directional antenna, the throughput can still reach a net bandwidth of more than 350Mbps when testing 20KM point-to-point transmission. In addition, the device can also meet the need for 1 ~ 5km wireless access coverage through the external sector antenna. The wireless rate that exceeds the 11N protocol can meet the long-distance high-bandwidth wireless bridge connection and short-distance wireless coverage applications.

Doublecom DB6000ACL-Pro wireless equipment has a CPU main frequency of up to 720MHz and 128MB memory. The device fully adopts anti-waves & anti-static (under 24V POE and DC power supply mode), voltage/temperature sensing, radio frequency shielding, electromagnetic shielding, shell breathing breathability, and other advanced industrial class wireless base station design concept. With high

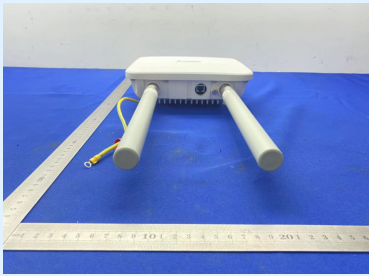
anti-interference ability and excellent protection performance, the equipment can support IP68 protection level, work in -40~75 °C temperature, and complete the uninterrupted all-weather operation in the complex electromagnetic environment and harsh climate.

Detail Parameters:

Model	Doublecom DB6000ACL-Pro	
Wireless Standard	802.11 A/N/AC	
Frequency Range	4920~6100MHz	
Maximum Transmission Bandwidth	866Mbps	
Maximum Output	30dBm (1000mW)	
Polarization Mode	MIMO: 2X2; double-polarization	
Sensitivity	Transmission Speed	Receive sensitivity (dBm)
	6Mbps	-96
	54Mbps	-74
	MCS0	-96
Transmission Distance	MCS9	-72
	150KM PTP (external directional antenna)	
	1~10KM (external sector antenna with directional client)	
	1~2KM (external sector antenna with omnidirectional client)	
800m (external sector antenna with handheld terminal)		
Rate & protocol		
Automatic Rate Selection	IEEE802.11a: 6/9/12/18/24/36/48/54/72/96/108Mbps IEEE802.11b/g: 6/9/12/18/24/36/48/54Mbps IEEE802.11n: HT20 6.5/13/19.5/26/39/52/58.5/65/78/104/117/130/150Mbps IEEE802.11n: HT40 3.5/27/40.5/54/81/108/121.5/135/162/216/243/270/300Mbps IEEE802.11ac: HT80 65/130/195/260/390/520/585/650/780/866Mbps (MCS0~MCS9)	
Support Standards	IEEE 802.11a /n/ac/h/d; IEEE802.3d/u/ab	
Support Agreement	TDMA, LD, FAP, CSMA / CA, TCP / IP, IPX / SPX, NetBEUI, PPPOE, etc.	



Management		
Management Style	Support Chinese / English , WEB or Telnet management; unified management on local or cloud management platform / small program management; configuration without restart	
Management Agreement	SNMP V1 / V2c / V3, Private API, SSH	
Reset	Hardware	Support
	Software	Support
Function		
Work Pattern	AP, PTP, Station br, Station WDS, Staiton standart, etc.	
Network Function	Support Vlan, DHCP, NAT, firewall, virtual bridge (up to 128 SSID), IPv6, packet analysis and filtering, accurate traffic control (QoS), etc.	
Network Tools	Support PTP throughput test, each network interface packet capture function (source address, destination address, port number, protocol number, message size, header content preview and other analysis functions), Ping, traceroute routing tracking, watchdog, etc.	
Signal Indicator Light	Level 4 LED lamp display (power supply, interface, signal strength)	
Real-time Data Flow Display	Support the real-time display of each client throughput	
Temperature & Voltage Sensor	Support real-time display of power supply voltage and temperature	
MESH network	Support	
Safety		
Login Control	Support login account encryption, account permission management, authorized user management and debugging	
MAC Address Control	Support two-way MAC binding	
Wireless Encryption	Support 40/104bit WEP, WPA/WPA2 PSK EAP encryption, TDMA protocol encryption	
802.1x & Radius Certification	Support	
Hardware		
CPU	720MHz	
Internal Storage	128MB	
Interface		
Network Interface	Number	1
	Spec.	10/100/1000BASE-T
Radio Frequency	Number	2
	RF Type	N-K
Power Supply		
Voltage	DC	DC adapter input / output: 12~24V/1.5A (optional)
	POE	AC adapter input: AC 200~300V, output: DC 24V / 2000mA (standard) Standard 802.3af/at (optional)

Interface Form	Network POE power supply (default) Power supply for air plug interface (optional)	
Environmental & Physical Properties		
Working Temperature	-40~75°C	
Wave Surge Protection	Common mode (DM) 6Kv / differential mode (CM) 2Kv	
Electrostatic Protection	8Kv (contact), 16Kv (air)	
Air Capacity	210 ml/min / cm ² (differential pressure =70mbar)	
Storage Temperature	-45~85°C	
Humidity (non-condensation)	≤95% (Non-condensation)	
Weight	Default: about 2kg (without bracket)	
Maximum Power Consumption	About 17W	
Special Design	Electromagnetic shielding, wind protection, seismic, heat dissipation, external antenna, grounding design	
External size		Equipment List
		Device host * 1 The POE power supply module * 1 Power line * 1 The L-shaped mounting bracket * 1 Certificate * 1

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.