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11ac 1200Mbps High Power Outdoor WiFi Bridge

Model: QLT D120G



Description:

QLT D120g, a high power outdoor WiFi bridge, comply with the next generation 802.11ac Wi-Fi standard, 2x2 MIMO technology, 2.4GHz and 5GHz dual band, 1200Mbps data rate, Gigabit WAN/LAN port; With water-proof case, high gain 2x 14dBi WiFi antenna and PoE(Power over Ethernet), it is installed in outdoor environment to reach 3KM PTP/PTMP WiFi range, very good choice in long range upto 1km cpe to mobile phone data transmission or Wireless security.

ABS weather-proof case

QLT D120g with ABS waterproof, dust proof and sunscreen shell, avoid the damage from dust, rainy weather. Meantime, it adaptive to various environment, the working temperature can be at -40°C to 55°C Suit for any country.



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High Power, High Gain Antenna, more WiFi Range

Designed in two line Power Amplifier on PCB board, the power can be 500mW high power, build in dual band panel WiFi antenna, the PTP/PTMP WiFi range more than 10KM. for cpe to cpe and upto 1km for cpe to mobile device transmission.

Power over Ethernet

QLT D120g has integrated active Power over Ethernet (PoE), for easy installation and lower cost. So it can be installed in areas where power outlets are not readily available, eliminating the mess of altering existing network infrastructure. Pls note, the default is 48V IEEE 802.3at PoE, 24V Passive PoE is possible by change PCB board.

Multiple Operation Mode

QLT D120G support wireless AP, Gateway, WISP, WiFi Repeater operation mode, max to meet with different operation request.

Main Features:

- Comply with IEEE 802.11ac/b/g/n, dual band, 1200Mbps Data Rate
- 1*10/100/1000Mbps WAN Port, 1*10/100/1000Mbps LAN Port
- 500mW high power, Qualcomm Chipset, 16M Flash, 128M DDR2 RAM, more user, more stable ●
Support 48V active PoE, work with IEEE 802.3at standard PoE switch or 48V PoE adapter.
- Support SSID broadcasting, Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz), support tag VLAN based on SSID to protect the whole data safety.
- Support Gateway (PPPOE, static IP, dynamic IP) , Wireless AP, Repeater, WISP operation mode
- With function of firewall, IP filter, URL filter and MAC filter
- Comply with IEEE 802.3az standard, RF power adjustment and frequency analyzer for better application in different environment
- Support DDNS, VPN pass through, Port forwarding and DMZ host
- Support 64/128-bit WEP security, 128bit WPA (TKIP/AES) security

Product Spec.:

| Hardware: | |
|-----------|-------------------------------------|
| Chipset | Qualcomm QCA9563 + QCA9882 +QCA8334 |
| Standard | 802.11ac/b/g/n, MU-MIMO technology |
| Memory | 128MB DDR2 RAM |



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| Flash | 32MB |
| Interface | 1 * 10/100/1000Mbps RJ45 WAN Port, WAN port support IEEE 802.3at standard PoE |
| | 1 * 10/100/1000Mbps RJ45 LAN Port |
| | 1 * Reset button, press 15 seconds to revert to default setting |
| Antenna | Build in Panel antenna, 12dBi in 2.4GHz, 14dBi in 5.8GHz |
| Power consumption | 48V PoE<30W |
| Size | 315mm * 145 mm * 80 mm |
| RF Data | |
| Frequency | 2.4G: 802.11b/g/n; 5GHz: 802.11a/n/ac |
| | 2.4GHz: 2.312GHz to 2.4835GHz 5GHz: 5.020 - 6.1000 GHz |
| Modulation | OFDM = BPSK,QPSK, 16-QAM, 64-QAM |
| | DSSS = DBPSK, DQPSK, CCK |
| Data Rate | 1200Mbps (2.4G 300Mbps, 5.8G 900Mbps) |
| Receive Sensitivity & RF Power | |
| RF Power | 2.4G: 11n @MCS7:23±2DB, @MCS0:25±2DB. 11g @54M:24±2DB, @6M:26±2DB. 11b @11M:26±2DB, @1M:28±2DB. 5.8G: 11a @54M:24±2DB, @6M:26±2DB. 11n @MCS7:22±2DB, @MCS0:24±2DB. 11ac @MCS9:21±2DB, @MCS0:23±2DB. |
| Receive Sensitivity | 2.4G: 11n: -70dbm@MCS7, -88dbm@MCS0. 11g: -72dbm@54Mbps, -88dbm@6Mbps. 11b: -85dbm@11Mbps, -94dbm@1Mbps. 5.8G: 11a: -72dbm@54Mbps, -90dbm@6Mbps. 11n: -70dbm@MCS7, -90dbm@MCS0. 11ac: -60dbm@MCS9, -86dbm@MCS0. |
| EVM | 11n: ≤-28 DB 11g: ≤-25 DB 11b: ≤-10 DB 11a: ≤-25 DB |
| PPM | ±20ppm |



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|---------------------------|---|
| Max Users | 128 |
| Firmware Features: | |
| Operation mode | Wireless AP, Gateway, WISP, WiFi Repeater |
| WAN Type | Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access) |
| Wireless Security | 64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK, 802.1x encryption |
| SSID | Multiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G) |
| Firewall | DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding |
| Protocols | IPv4 |
| Others: | |
| Package Contents | D120g Units Ethernet Cable Quick Installation Guide Setting Accessory |
| System Requirements | Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, MAC OS, NetWare, UNIX or Linux |
| Environment | Operating Temperature: -40~55 °C Storage Temperature: -40~70 °C Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing |
| Management | Firmware GUI , Remote Management, WLAN Controller, Cloud Management System |

Application:

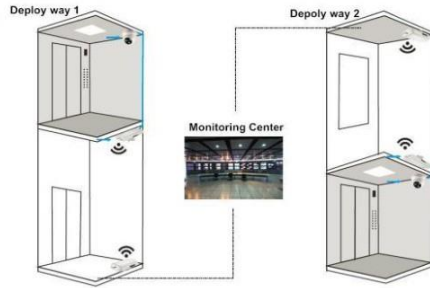


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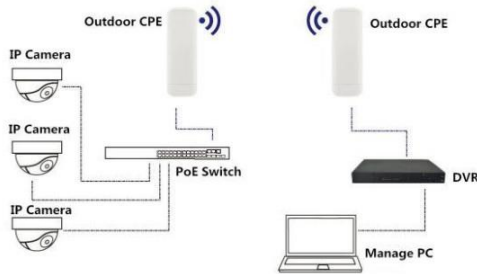
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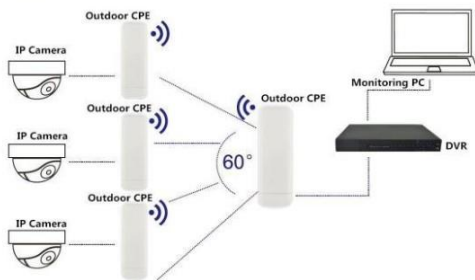
1.PTP Working Diagram of outdoor CPE work in Elevator



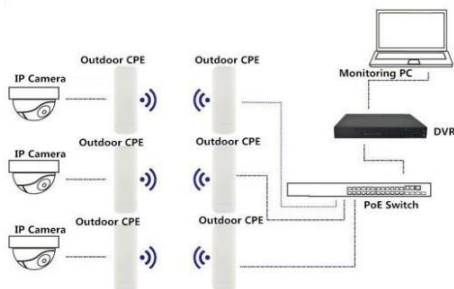
2.PTP Working Diagram of Outdoor CPE work with Multiple IP Camera



3.PTMP Working Diagram of Outdoor CPE work with IP Camera



4.PTMP Working Diagram of Outdoor CPE work with Multiple IP Camera



5.PTP Working Diagram of Outdoor CPE applied to Wireless Coverage

