DUXNET

PRODUCT DATASHEET

# Wi-Fi Bridges



## Next-Level Extension of Your Wireless Network Over Long Distances

## OVERVIEW

Achieve next-level connectivity with the DuxNet Wi-Fi Bridges, designed for reliable point-to-point wireless links that seamlessly extend your network across long distances. Ideal for environments where wired connections are impractical, they provide a robust and secure connection between two or more locations, making them perfect for linking buildings, remote offices, or outdoor facilities. Combining cutting-edge technology with ease of installation, DuxNet Wi-Fi Bridges deliver high-speed, next-level performance for all your wireless bridging needs.

## MAIN FEATURES

- **Long-Range Connectivity:** DuxNet Wi-Fi Bridges are designed for point-to-point links over extended distances, ensuring stable, high-speed wireless connections between remote locations, even across challenging terrain.
- **High-Speed Data Transmission:** With advanced wireless technology, these bridges support high-throughput data transfer, ensuring fast and reliable communication between sites, ideal for bandwidth-heavy applications like video surveillance or large file transfers.
- **Easy Installation:** Engineered for quick deployment, DuxNet Wi-Fi Bridges are easy to set up with intuitive alignment tools and PoE support, eliminating the need for complex wiring between linked locations.
- **Weatherproof Durability:** Built to withstand harsh outdoor conditions, these bridges are housed in rugged enclosures, ensuring continuous performance even in extreme weather, making them ideal for outdoor or industrial environments.
- **Secure & Reliable:** Equipped with advanced encryption and interference mitigation technologies, DuxNet Wi-Fi Bridges provide secure, next-level reliability for mission-critical links, ensuring your data stays protected during transmission.
- **Scalable Solution:** Whether linking two buildings or expanding to a multi-location network, the DuxNet Bridges range scales easily, providing a flexible, future-proof solution that grows with your business needs.

GO GREEN ECO FRIENDLY WITH DUXBURY

Free Telephonic Support

Limited Lifetime Warranty

| | Dual Band | 5GHz Series | |
|---|---|---|---|
| Model Name | DUX2200CPE | DUX512CPE | DUX450CPE |
| **OUTDOOR WI-FI BRIDGES** |  |  |  |
| Chipset | Qualcomm QCA9563 | Qualcomm QCA9563 | MTK MT7628 |
| Flash/RAM | 16MB/128MB | 16MB/128MB | 8MB/64MB |
| Standard | IEEE802.11ac/b/g/n | IEEE802.11ac/a | IEEE802.11ac/a |
| Frequency | 2.4GHz + 5.8GHz | 5.8GHz | 5150~5825MHz |
| Wireless data rate | 300Mbps + 900Mbps | 900Mbps | 900Mbps |
| WAN | 1*10/100/1000Mbps | 1*10/100/1000Mbps | 1*10/100Mbps |
| LAN | - | 1*10/100/1000Mbps | 1*10/100Mbps |
| Operation Switch | Without | With | With |
| LED Display | Without | Without | With |
| PoE Power | IEEE 802.3at 48V POE | IEEE 802.3af 48V POE | 24V Passive PoE |
| Antenna | 1. 2.4GHz:2*12dBi Panel Antenna<br>2. 5GHz:2*15dBi Panel Antenna | 14dBi Panel Antenna | 14dBi Panel Antenna |
| RF Power | 500mW | 300mW | 300mW |
| Lightning Level | - | Common mode: ±2KV; Differential mode ±1KV | Common mode: ±2KV; Differential mode ±1KV |
| ESD Level | - | Contact: ±6KV, Air: ±8KV | Contact: ±6KV, Air: ±8KV |
| PTP Distance | 5KM | 5KM | 4KM |
| Operation Mode | AP, Repeater Mode | AP, Repeater Mode | AP, Repeater Mode |
| Firmware | 1. SDK Firmware<br>2. OPENWRT Firmware | 1. SDK Firmware<br>2. OPENWRT Firmware | SDK Firmware |
| Firmware Feature | 1. Central Management<br>2. Support Enterprise security : WPA, WPA2, 802.1x RADIUS<br>3. Auto Channel available | 1. Central Management<br>2. Simple setup by LED display and Switch on device<br>3. Support Enterprise security : WPA, WPA2, 802.1x RADIUS<br>4. Auto Channel available | 1. Central Management<br>2. Simple setup by LED display and Switch on device<br>3. Support Enterprise security : WPA, WPA2, 802.1x RADIUS<br>4. Auto Channel available |
| Accessory | User Manual, Install accessory, LAN cable | User Manual, Install accessory, LAN cable | 24V PoE power adapter, installation accessory, LAN cable |

*Actual wireless transmission rate, wireless coverage and range, and number of connected devices are not guaranteed. Range and coverage specifications along with the number of connected devices were defined according to test results under normal usage conditions and will vary as a result of environmental factors and network conditions.

DUXBURY Networking

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