

PREMIUM ACCESS POINTS

Indoor and Outdoor Wi-Fi 6 Access Points with Built-In Cloud Management



OVERVIEW

DuxNet Premium Access Points extend the DuxNet wireless portfolio with advanced Wi-Fi 6 performance and built-in cloud management. Designed for organisations that need greater control, visibility, and scalability, the Premium range enables centralised management, simplified deployment, and consistent connectivity across both indoor and outdoor environments.

MAIN FEATURES

Built-In Cloud Management as Standard	Centralised configuration, monitoring, and management through DuxNet Cloud with no additional controllers or licences required.
Wi-Fi 6 Performance for High-Density Environments	Deliver faster speeds, improved efficiency, and reliable connectivity across modern, device-heavy networks.
Centralised Visibility and Control	Real-time insight into network performance, client activity, and device health enables faster troubleshooting and optimisation.
Simplified Deployment Across Sites	PoE support and remote provisioning allow for rapid deployment and consistent management across multiple locations.
Seamless Coverage with Mesh Capability	Extend coverage without complex cabling, ensuring reliable connectivity across indoor and outdoor environments.
Scalable for Multi-Site Environments	Easily expand from single-site deployments to distributed networks, all managed from a single platform.

Model Name	DUX610CAP	DUX625CAP	DUX610APO	DUX625APO
Mount/Type	Ceiling/Indoor	Ceiling/Indoor	Outdoor	Outdoor
Ethernet Ports	1 GbE LAN/1GbE WAN	1 GbE LAN/2.5 GbE WAN	1 GbE LAN/1 GbE WAN	1 GbE LAN/2.5 GbE WAN
Fibre Ports	0	0	0	0
MESH	Supported	Supported	Supported	Supported
Flash	SPI Nand 128MB	SPI Nand 128MB	SPI Nand 128MB	SPI Nand 128MB
DDR	256MB	256MB	256MB	256MB
2.4G working frequency band	2.4GHz ~ 2.484GHz	2.4GHz ~ 2.484GHz	2.4GHz ~ 2.484GHz	2.4GHz ~ 2.484GHz
2.4G WIFI transmission protocol	802.11 b / g / n / ax	802.11 b / g / n / ax	802.11 b / g / n / ax	802.11 b / g / n / ax
5G working frequency band	5.150GHz~5.850GHz	5.150GHz~5.850GHz	5.150GHz~5.850GHz	5.150GHz~5.850GHz
5G WIFI transmission protocol	802.11 a / n / ac / ax	802.11 a / n / ac / ax	802.11 a / n / ac / ax	802.11 a / n / ac / ax
WIFI antenna	Built-in 2 x 2.4G antennas, built-in 3 x 5G antennas	Built-in 2 x 2.4G antennas, built-in 3 5G antennas	2 external 2.4G & 5G dual-band antennas	2 external 2.4G & 5G dual-band antennas
Maximum speed	2.4G provides a maximum access rate of 574Mbps, and 5G provides a maximum access rate of 2402Mbps	2.4G provides a maximum access rate of 574Mbps, and 5G provides a maximum access rate of 2402Mbps	2.4G provides a maximum access rate of 574Mbps, and 5G provides a maximum access rate of 2402Mbps	2.4G provides a maximum access rate of 574Mbps, and 5G provides a maximum access rate of 2402Mbps
2.4G EVM	802.11b:≤-10 dB ; 802.11g:≤-25 dB ; 802.11n:≤-28dB ; 802.11ax: ≤-35 dB	802.11b:≤-10 dB ; 802.11g:≤-25 dB ; 802.11n:≤-28dB ; 802.11ax: ≤-35 dB	802.11b:≤-10 dB ; 802.11g:≤-25 dB ; 802.11n:≤-28dB ; 802.11ax: ≤-35 dB	802.11b:≤-10 dB ; 802.11g:≤-25 dB ; 802.11n:≤-28dB ; 802.11ax: ≤-35 dB
5G EVM	802.11a:≤-25 dB ; 802.11n:≤-28 dB ; 802.11ac:≤-32 dB ; 802.11ax:≤-35 dB	802.11a:≤-25 dB ; 802.11n:≤-28 dB ; 802.11ac:≤-32 dB ; 802.11ax:≤-35 dB	802.11a:≤-25 dB ; 802.11n:≤-28 dB ; 802.11ac:≤-32 dB ; 802.11ax:≤-35 dB	802.11a:≤-25 dB ; 802.11n:≤-28 dB ; 802.11ac:≤-32 dB ; 802.11ax:≤-35 dB
Frequency deviation (ppm)	±20ppm	±20ppm	±20ppm	±20ppm
Interface (WAN)	1 10/100/1000M adaptive WAN port, supports 48V POE power supply	1 10/100/1000/2500M adaptive WAN port, supports 48V POE power supply	1 10/100/1000Mbps adaptive WAN/LAN port, supports 48V POE power supply	1 10/100/1000/2500Mbps adaptive WAN/LAN port, supports 48V POE power supply
Interface (LAN)	1 10/100/1000M adaptive LAN port	1 10/100/1000M adaptive LAN port	-	1 10/100/1000M adaptive LAN port
External buttons	Reset button (press for 6-10 seconds to restore the factory default configuration)	Reset button (press for 6-10 seconds to restore the factory default configuration)	Reset button (press for 6-10 seconds to restore factory default configuration)	Reset button (press for 6-10 seconds to restore factory default configuration)
Status indicator	Three-color light (three different colors represent: sys-red, 2.4G-green, 5.8G-blue)	Three-color light (three different colors represent: sys-red, 2.4G-green, 5.8G-blue)	Three-color light (three different colors represent: sys-red, 2.4G-green, 5.8G-blue)	Three-color light (three different colors represent: sys-red, 2.4G-green, 5.8G-blue)
Power supply	PoE 802.3af, DC 12V/1.5A	PoE 802.3af, DC 12V/1.5A	PoE 802.3at, DC 12V/1.5A	PoE 802.3at, DC 12V/1.5A
Maximum power consumption	< 15W	< 15W	< 15W	< 15W
Product size	194mm*194mm*44mm (including bracket)	194mm*194mm*44mm (including bracket)	243*105.5*68.5mm (including bracket)	243*105.5*68.5mm (including bracket)
Weight	About 0.6kg	About 0.6kg	About 1.6kg	About 1.6kg
Working environment	Normal working temperature: -20°C to 55°C; Storage temperature: -40°C to 70°C; Humidity: 5%~95% (no condensation)	Normal working temperature: -20°C to 55°C; Storage temperature: -40°C to 70°C; Humidity: 5%~95% (no condensation)	Normal working temperature: -20°C to 55°C; Storage temperature: -40°C to 70°C; Humidity: 5%~95% (no condensation)	Normal working temperature: -20°C to 55°C; Storage temperature: -40°C to 70°C; Humidity: 5%~95% (no condensation)
Management	WEB GUI, Controller or DuxNet Cloud	WEB GUI, Controller or DuxNet Cloud	WEB GUI, Controller or DuxNet Cloud	WEB GUI, Controller or DuxNet Cloud



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