

Ceiling-Mounted Tri-Band WiFi 7 AP

Model: BE19000

Description:

YUNCORE® BE19000 is a high-performance, high-speed Wi-Fi 7 (802.11be) indoor tri-band ceiling-mounted AP. It delivers wireless services across three frequency bands: 2.4GHz, 5GHz, and 6GHz, with a 12-stream radio configuration consisting of 4×4 (2.4GHz) + 4×4 (5GHz) + 4×4 (6GHz). The AP provides maximum access speeds of: 1376Mbps on 2.4GHz, 5764Mbps on 5GHz, 11528Mbps on 5.8GHz; Achieving aggregate throughput nearing 19Gbps, this solution is engineered for high-density environments with validated support for up to 1536 concurrent users.

Features:

- 320MHz channel bandwidth support.
- 4096-QAM modulation implementation for enhanced transmission efficiency.
- MLO (Multi-Link Operation) enables concurrent multi-band connectivity, ensuring superior user experience.
- Dual uplink options: 10G fiber interface and 2.5G Ethernet port to maximize device performance.
- PoE++ (802.3bt) and DC power input support for simplified deployment flexibility.



Specification	
Work Frequency	2.4GHz: 2.4GHz ~ 2.484GHz 5GHz: 5.150GHz ~ 5.850GHz 6GHz: 5.925GHz ~ 7.125GHz
WiFi Standard	2.4GHz: 802.11 b / g / n / ax / be 5GHz: 802.11 a / n / ac / ax / be 6GHz: 802.11 a / n / ac / ax / be
Wireless Speed	2.4GHz: 1376Mbps 5GHz: 5764Mbps 6GHz: 11528Mbps
Device Capacity	1536
Tx Power	2.4GHz: <24±2dBm 5GHz: <23±2dBm 6GHz: 23±2dBm
Antenna	Built-in omnidirectional antennas
Interface	1× 10Gbps SFP+ fiber port 1× 10Gbps WAN port, supporting 802.3bt input

	1× 10/100/1000/2500Mbps LAN Port 1× USB 2.0
Button	Reset button (Press and hold 6-10 seconds to restore factory defaults)
Status Indicator	Front-panel tri-color LED (red/green/blue)
Power Supply	PoE 802.3bt, DC2.0 54V/1A
Power Consumption	<40W
Dimensions	220mm×220mm×42mm
Net Weight	1.38kg
Work Environment	Working: -10°C to 55°C Storage: -40°C to 70°C Humidity: 5% ~ 95% (Non-Condensing)