

Ceiling-Mounted Dual Band WiFi 7 AP

Model: BE830SFP

Description:

YUNCORE® BE830SFP is a high-performance, high-speed Wi-Fi 7 (802.11be) indoor dual-band ceiling-mounted AP. It delivers dual-band wireless services on 2.4GHz and 5.8GHz frequencies, providing access speeds of 688Mbps on the 2.4GHz band and 2882Mbps on the 5GHz band. The device supports 48V DC 2-pin power input and features an uplink 2.5G SFP interface, enabling fiber-optic connectivity beyond the 100-meter distance limitation of traditional copper cabling.

Features:

- Concurrently operates on 2.4GHz (688Mbps) and 5GHz (2882Mbps) bands to achieve maximum wireless throughput.
- Hardware watchdog functionality enables automatic recovery from exceptions, minimizing maintenance requirements.
- Dual power input options: 48V DC and 12V DC local power support.
- 2.5G SFP (Small Form-factor Pluggable) fiber port for high-speed uplink connectivity.



| Specification | |
|------------------|---|
| Work Frequency | 2.4GHz: 2.4GHz ~ 2.484GHz 5GHz: 5.150GHz ~ 5.850GHz |
| WiFi Standard | 2.4GHz: 802.11 b / g / n / ax / be 5GHz: 802.11 a / n / ac / ax / be |
| Wireless Speed | 2.4GHz provides a maximum access rate of 688Mbps, and 5GHz provides a maximum access rate of 2882Mbps |
| Device Capacity | 256 |
| Tx Power | 2.4GHz: <26±2dBm 5GHz: <23±2dBm |
| Antenna | Built-in omnidirectional antennas, 4dBi@2.4GHz, 4dBi@5GHz |
| Interface | 1×2.5Gbps WAN Port 4×10/100/1000Mbps LAN Port (LAN1 supports IEEE 802.3af standard PoE power delivery) |
| USB | 1×USB2.0 Port |
| Button | Reset button (Press and hold 6-10 seconds to restore factory defaults) |
| Status Indicator | Tri-color LED (red/green/blue) |

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|-------------------|--|
| Power Supply | Simultaneously supports: (1) 48V DC / 0.5A input (via 2-pin Phoenix connector) (2) 12V DC / 2A input (via DC 2.0 jack) |
| Power Consumption | <15W |
| Dimensions | 190mm×190mm×50mm |
| Net Weight | 0.55kg |
| Work Environment | Working: -10°C to 55°C Storage: -40°C to 70°C Humidity: 5% ~ 95% (Non-Condensing) |