

C-DOT Wi-Fi Gigabit Router (WGR) Indoor Access Point



C-DOT Wi-Fi Gigabit Router (WGR) is a cost effective, high throughput, exceptionally reliable, modular and effective wireless solution for indoor use cases such as PM-WANI / Public Wi-Fi in urban and rural requirements. This product complies to IEEE 802.11a/b/g/n/ac standard. The AP supports 2x2 MIMO concurrent operation in dual band 2.4 GHz & 5 GHz for 20/40/80MHz channel bandwidths. WGR supports 4 nos. of 1G Ethernet port to connect multiple devices.



Particular	Wi-Fi Gigabit Router (WGR) Indoor AP
Standard	IEEE 802.11 a/b/g/n/ac
PM-WANI Compliant	Yes
WAN Port	1x 1G Ethernet
LAN Port	4x 1G Ethernet, Auto sensing
Power Source	DC adapter 12 V
Radio	2 Wi-Fi Radios, Dual Band (2.4GHz and 5GHz) concurrent operation
Data Rate	866 Mbps in 5GHz Radio & 300 Mbps in 2.4GHz Radio
Clients Supported	128 (64 clients per radio)
Max Tx Power	23 dBm
Coverage	Up to 30m
Mode	Bridge, Router
Roaming Feature	IEEE 802.11r
Authentication Support	RADIUS protocol supported for external AAA server
Encryption Support	TKIP (WPA), AES-CCMP (WPA2)
VLAN/QoS/Encryption/Authentication/ Other standards	802.1Q VLAN/802.11e/WMM/ 802.1x/802.11i/802.11s/WDS
BSSID Supported	16 (8 BSSID per radio)
Management	TIP Controller, C-DOT EMS, Data and syslog capture for audit and analysis
Operating condition	Temp: -20°C to +55°C ; Humidity: 10 to 95% non-condensing
Remote upgrade	Yes
Operating Power	Max : 10W (Input Voltage:12V)
Services Supported	Voice, Video and Data
Visual Indication	Available in Indoor unit: LEDs (Power, 4 LAN ports, WAN ports; Optical, 2.4GHzWi-Fi Status/5GHz Wi-Fi status)
Deployment Scenario	Indoor hotspot
Antenna	5 dBi Omni for plastic enclosure, 3 dBi Omni for Metallic enclosure

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