

TEJ-3600

C-DOT Wi-Fi 6 Access Point



Wi-Fi 6 or IEEE 802.11ax is the best in class and latest standard for Wi-Fi technology. The standard is focused on improving Wi-Fi performance in dense and crowded environments and can provide 4x (four times) increase in the data throughput and support very low latency AR/VR scenarios.

Wi-Fi 6 technology is very suitable to provide efficient access network to meet 5G indoor hotspot use cases and dense urban requirements unlicensed band spectrum in 2.4 GHz and 5GHz.

TEJ - 3600 C-DOT Wi-Fi 6 Access point is indigenously designed and developed product suitable for both indoor/outdoor and



Wi-Fi 6 Indoor Access Point (Tej-Indoor)
with Metallic Enclosure



Wi-Fi 6 Outdoor Access Point (Tej-Outdoor)

urban/rural requirements such as schools, Enterprises offices, Smart City, Railways Stations, malls, stadiums and Industry 4.0. It is suitable for Point to Point and multi point configuration in rural areas and hotspot configuration in dense urban areas.

Particular	Tej-3600
Standard	IEEE 802.11 a/b/g/n/ac/ax
PM-WANI Compliant	Yes
VLAN/QoS/Encryption/Authentication/Other standards	802.1Q VLAN/802.11e/WMM/802.1x/802.11i/802.11s/WDS
Mode	Bridge, Router
Operating Frequency	As per NFAP 2018
Radio	3 Wi-Fi Radios (2 Radios on the board and 1 radio is PCIe module) Dual Band (2.4GHz and 5GHz) concurrent operation
Enclosure	1. Plastic Enclosure for Indoor Unit 2. Metal Enclosure for Indoor Unit 3. IP65/67 Outdoor Unit



Particular	Tej-3600
Coverage	Outdoor : 150m Indoor: 30m
Channel Width	20/40/80/160/80+80 MHz
MIMO	4x4 till 80MHz channel bandwidth 2x2 for 160MHz and 80+80 MHz channel bandwidth
Data Rate	2400 Mbps in 5GHz Radio 1200 Mbps in 2.4GHz Radio
Clients	256
BSSID	16
Services Supported	Voice, Video and Data
Features Supported	DL and UL-MU MIMO, DL-OFDMA, UL-OFDMA, BSS color
Operating Power	Max : 24W Input Voltage Range: 19V to 55V DC
Power Source	PoE (802.3 bt)
WAN Port	1x 2.5G Ethernet, auto-sensing 1x 2.5G Optical SFP+ (Optional)
LAN Port	4x 1G Ethernet , auto sensing
Audio Indication	Yes (power up, booting, Ready, Internet connectivity/WAN port up)
Visual Indication	Available in Indoor unit : LEDs (Power, LAN ports, WAN ports, Optical, Wi-Fi Status)
Deployment Scenario	Outdoor Hotspot, Indoor Hotspot, Point to Point, Point to Multipoint, MESH,WDS
Max Tx Power	30 dBm
Housing/Mounting	IP67, Pole mount, Lightning and Overvoltage Protection Withstand high speed winds/thunderstorms
Operating condition	Temp: -20°C to +55°C, Humidity: 10 to 95% non-condensing
Management	TIP Controller, C-DOT EMS, Data and syslog capture for audit and analysis
Roaming Feature	IEEE 802.11 r
Remote upgrade	Yes
GUI	Yes
WANI Compliance	Yes
Authentication Support	RADIUS protocol supported for external AAA server
Encryption Support Mesh	TKIP (WPA), AES-CCMP (WPA2), WPA3
Mesh	Wi-Fi SON (AP steering, Band Steering) and Easy Mesh
RF Management	DFS, Dynamic Channel Selection for Interference Mitigation(DCS-IM), BSS color, Airtime fairness(ATF)
Antenna	Indoor: 3dBi Omni Outdoor: Internal Omni
Antenna Connector Type	Metal Indoor Unit: Reverse SMA (F), Plastic Indoor Unit: Fixed 3dBi Antenna with UFL connector, Outdoor Unit: N (F)
Antenna Type supported (Optional)	Patch Panel, Omni, Sector, Grid

Centre for Development of Telematics

Corporate Office:
C-DOT Campus, Mehrauli,
New Delhi - 110 030, India
Phone: +91 11 2680 2856



C-DOT Campus, Electronics City,
Phase-I, Hosur Road,
Bengaluru - 560 100, India
Phone: +91 80 2511 9001

www.cdote.in

mktg@cdote.in

Copyright © 2022 C-DOT, All Rights Reserved

