QUANTUM
n e t w o r k s

QN-I-100
PRODUCT OVERVIEW

◎ QN-I-100 offers reliable single band (2.4 GHz) wifi connectivity solution. It is ideal for Hotspot operators such as restaurants, cafes and enterprises offering customer service hotspots. While being an affordable, entry-level solution, it also offers all the enterprise features required to securely manage wifi deployments, capable of being scaled to thousands of hotspots. All QN wifi deployments can be easily managed and monitored using QN Cloud management portal or App for Android and Apple. The benefits are clear :
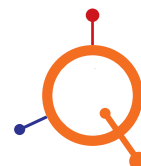
- Optimum uptime

- Central management and monitoring

- Business Continuity

◎ QN Access Points are covered under a three-year limited warranty from DATE OF ACTIVATION. This is in contrast to the industry-norm warranties that start from DATE OF BILLING. We care about your assets. Software theft-protection is a standard feature on our products - it deters theft. In case our AP is stolen, it cannot be deployed/activated as it is automatically disengaged. Take Quantum leap today to super-charge your hotspots.

www.qntmnet.com

QN-I-100
KEY FEATURES

◉ **High Performance, Reliable 802.11n Mid-Range Wi-Fi Access Point**
Deploy highly manageable and extremely robust 802.11n wifi network for restaurants, cafes and SMBs.

◉ **Superior Coverage**
Provide optimal wireless coverage in the 2. 4GHz(802.11n) band using a high power single radio design to reduce dead spot and increase capacity.

◉ **Business-grade, feature-rich device**
Multiple SSID for traffic segmentation and Layer 2 VLAN for enhanced security.

◉ **Ease of Deployment**
Easily manage wifi infrastructure through feature-rich QN Cloud Controller management console.

◉ **802.3 AF POE Support**
Industry standard 802.3 AF POE IN eliminates cost and complexity of running power cables.

◉ **Software theft management**
Access point is locked for deployment in any other network until decommissioned from existing network.

◉ **Three Years Warranty**
Three years Limited Liability Manufacturer's Warranty from date of activation of device.

◉ **Beyond Wi-Fi**
Implement additional QN Partner services such as Radius Authentication, Web Filtering and advanced Wifi Service Management

QN-I-100
KEY SPECIFICATIONS

◉ **WIFI**

Wi-Fi Standards	IEEE 802.11 b/g/n
Operating Mode	Access point, Router
Supported Data Rates	802.11n @ 40 MHz: 300, 270, 240, 180, 120, 90, 60, 30 Mbps 802.11g @ 20 MHz: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11b @ 20 MHz: 11, 5.5, 2, 1 Mbps
Supported Channels	1-13 Channels
Modulation Schemes	802.11g/n : 64-QAM, 16-QAM, QPSK, BPSK 802.11b : CCK, DQPSK, DBPSK
Spatial Streams	2x2:2 MIMO
Channel Size	20, 40MHz
Wireless Security	WPA2-TKIP/AES Personal, WPA-TKIP/AES Personal, WPA2-Enterprise (802.1x/EAP),WPA-Enterprise (802.1x/EAP),Open
Other Wi-Fi Features	Port forwarding, DHCP Reservation, Roaming, ACL (Layer2), Rate Limit, WLAN Scheduling, DNS filtering, Client Isolation Hotspot Captive Portal

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QN-I-100
KEY SPECIFICATIONS

PERFORMANCE & CAPACITY
Peak PHY Rates	Up to 300 Mbps
Client Capacity	Up to 50 Clients per AP
SSID	Up to 8 SSID

RF
Antenna Type	2 x internal omni-directional antennas
Antenna Gain (Max)	3 dBi
Output Power	27 dBm

POWER
Rating	802.3af

NETWORKING
WAN Port Support	Static, DHCP and PPPoE
VLAN Support	VLAN, DVLAN, 802.1Q for management and data
Client isolation	Supported
Bandwidth limitation	Supported per SSID

PHYSICAL INTERFACES
Ethernet	3 x 10/100/1000 Base-T with One PoE In (802.3af) port

ENVIRONMENTAL
Operating Temperature	−10°C (14F) ~ +55°C (+131F)
Operating Humidity	0~90% non-condensing

MANAGEMENT
System Monitoring	SNMP v1, v2c, v3, Syslog
System Management	QNCC (Quantum Networks Cloud Controller),Standalone Mode

PHYSICAL
Dimensions	153 mm (6.1''), 147 mm (5.8 ''), 29 mm (1.14 '')
Weight	188 g (6.63 oz)
Mounting	Suspended ceiling mount, wall/ceiling mount, pole mount