

UT-IND-2AC

Indoor AP 2x2 MIMO AC Datasheet

Uriel
Technologies



Key Features

Carrier WiFi AC Standards Based High Performance 2x2MIMO Indoor Access Point

Optimized Design to Fit All Interiors

The UT-IND-2AC is High Performance Carrier WiFi 802.11ac standards based indoor access point with inbuilt dual band 2.4 and 5 GHz concurrent operation (2x2) MIMO radios and integrated antennas.

SHELL design to fit into any interior environment. Enclosures are available in colors of white, light grey, sky blue or light pink. Other color options can be produced having minimum order of 50pcs.

2x Gigabit Ethernet ports, one passive POE port, DC jack provide many powering options for network operators.

Units can be used as last mile application to distribute FTTH or FTTB fiber capacity.

Mounting of units can be on wall, ceiling and pole or conveniently placed on table or shelf.

Units can be configured to operate in standalone mode or integrated controller mode and can manage up to 50 other units in the network. For city wide networks external cloud based controller is available allowing easy management, configuration and controlling of the networks.

Data rates - up to 1.16Gbps per access point.

UTS-IND-2AC - Carrier Grade standard product.

Concurrent

*Dual band 2.4GHz
and 5.x GHz*

High Performance

Internal Antennas

*Multiple SSID
(8x2)*

MIMO 2x2

802.11AC

Up to 1.16 Gbps

Unique Design

Easy to Deploy



Technical Specifications

Wireless	
Standards	IEEE 802.11 a/b/g/n/ac
Mode	MIMO 2x2
Radio Frequency	2.402 – 2.484 GHz (country dependant) 5.170 – 5.875 GHz (country dependant)
Transmit Power	2.4 GHz 27dBm @ MCS0 5.x GHz 27dBm @ MCS0
Channel Size	20 / 40 / 80 MHz
Modulations	802.11 ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK) 802.11 a/g/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11 b: DSS (CCK, DQPSK, DBPSK)
Data Rates	802.11 ac @ 80 MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65 Mbps 802.11 n @ 40 MHz: 300, 270, 240, 180, 120, 90, 60, 30 Mbps 802.11 a/g @ 20 MHz: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11 b @ 20 MHz: 11, 5.5, 2, 1 Mbps
Duplexing Scheme	Time division duplex
Wireless Security	WPA/WPA2 Personal, WPA/WPA2 Enterprise, WACL, Hotspot (UAM)
Antenna	
Type	Internal 4 x Omni-directional antennas 2.4 GHz: 3 dBi 5 GHz: 3 dBi
Interface	3 x 10/100/1000BaseT (RJ-45)
Networking	
Operating mode	Bridge, router IPv4 and IPv6
Management IPv4	Static, dynamic
Management IPv6	Static, dynamic stateless, dynamic stateful
Secondary IPv4	Supported
VLAN	802.1Q for management and data
Virtual SSID	8 per each radio
Client isolation	Supported
Services	SNMP server, NTP client
Power	802.3 af/at with passive PoE (37 - 56V) support or DC jack (37 - 56V)
Requirements	100 – 240 VAC to 48 VDC PoE (included)
Max Power Consumption	14 W
Management	
System Monitoring	SNMP v1, syslog
Physical	
Dimensions	177mm x 167mm x 40mm
Mounting Possibilities	Table / Wall / Ceiling / Pole
Humidity (Non-condensing)	0% ~ 95% Typical
Temperature range	-40°C to +55°C

