

ADT 300Mbps

SINGLE RADIO SERIES



## Specifications:

MODEL	ADT-APB300MLS	ADT-APB3002HS	ADT-APB3005HS
<b>Operating Frequency</b>	2.400 ~ 2.497 GHz 4.9GHz (Public Safety Band) 5.15~5.35 & 5.725~5.850 GHz (US) 5.15~5.35 GHz & 5.47~5.725GHz(Europe) Programmable for different country regulations Supper Channel: 2.3~2.5GHz & 4.9~6.1GHz	2.400 ~ 2.497 GHz Programmable for different country regulations Supper Channel: 2.3~2.5GHz	4.9GHz (Public Safety Band) 5.15~5.35 & 5.725~5.850 GHz (US) 5.15~5.35 GHz & 5.47~5.725GHz(Europe) Programmable for different country regulations Supper Channel: 4.9~6.1GHz
<b>Adjustable RF Output Power</b>	23dBm @ 11bg 21dBm @ 11gn HT20 21dBm @ 11gn HT40 21dBm @ 11a 21dBm @ 11an HT20 19.5dBm @ 11an HT40	30dBm @ 11bg 28dBm @ 11gn HT20 25dBm @ 11gn HT40	30dBm @ 11a 28dBm @ 11an HT20 26dBm @ 11an HT40
<b>Sensitivity</b>	802.11b: -94dBm@1Mbps, -94dBm@11Mbps 802.11g: -94dBm@6Mbps, -78dBm@54Mbps 802.11a: -94dBm@6Mbps, -77dBm@54Mbps 802.11gn HT20: -93dBm@MCS0, -74dBm@MCS15 802.11gn HT40: -90dBm@MCS0, -72dBm@MCS15 802.11an HT20: -93dBm@MCS0, -74dBm@MCS15 802.11an HT40: -90dBm@MCS0, -72dBm@MCS15	802.11b: -96dBm@1Mbps, -91dBm@11Mbps 802.11g: -96dBm@6Mbps, -83dBm@54Mbps 802.11gn HT20: -92dBm@MCS0, -73dBm@MCS15 802.11gn HT40: -90dBm@MCS0, -71dBm@MCS15	802.11a: -96dBm@6Mbps, -79dBm@54Mbps 802.11an HT20: -95dBm@MCS0, -75dBm@MCS15 802.11an HT40: -92dBm@MCS0, -74dBm@MCS15
<b>Range</b>	2.4GHz: 12 miles (20 Km) with 24dBi antenna 5GHz: 12 miles (20 Km) with 32.5dBi antenna	25 miles (40 Km) with 24dBi antenna	20 miles (32Km) with 32.5dBi antenna
<b>Ethernet Port</b>	10/100Base-TX (RJ-45)		
<b>AntennaConnector</b>	Two N Female		
<b>RF Modulation</b>	OFDM (BPSK, QPSK, 16- QAM, 64-QAM)		
<b>Channel Width</b>	5, 10, 20, 40 MHZ		
<b>Data Rate</b>	54, 48, 36, 24, 18, 12, 11, 5.5, 2, 1Mbps, MCS0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15 (*) 20MHz Channel Width (HT20) Max. 72.2Mbps @ MC7 with 1Nss (**) Max. 144.4Mbps @ MC15 with 2Nss (* ) MCS: Modulation Coding Scheme for IEEE802.11n (**) Nss: Number of Spatial Streams	40MHz Channel Width (HT40) Max. 150Mbps @ MC7 with 1Nss Max. 300Mbps @ MC15 with 2Nss	
<b>RF OperationMode</b>	Access Point, Station, Access Point WDS, Station WDS Repeater WDS, Access Point + Router Station + Router		
<b>Data Security</b>	Station Isolation WEP 64/128 bit Mac Address Filtering IEEE 802.1x—TLS, TTLS, PEAP WPA-PSK and WPA-EAP (TTLS, PEAP) , WPA2 (with AES encryption technique)		
<b>Network Advanced Features</b>	IP Routing - static Routing, RIP v1/v2, NAT and Port Forwarding (Routing mode only) PPPoE Client, PPTP for VPNs Network (Routing mode only) 802.1d Spanning Tree Protocol SNMP support DHCP Server, Relay, and Client / DHCP Server Reservation Bandwidth Control 802.1Q Tag and Untag VLAN / VLAN Pass-through Selectable Number of Tx/Rx chains (1x1 or 2x2) Proprietary Long Distance Algorithm for ACK and CTS timeout adjustment support Firewall and Packet/URL Filtering (Routing mode only) Multicast Routing support Monitor Utils (Ping, ARP table, Bridge Table, DHCP active leases, CCQ)		
<b>Link Parameters</b>	Antenna alignment and RSSI Signal levels Site Survey Radio and Ethernet Traffic Statistics		
<b>Management</b>	Web, SNMP, Telnet, SSH, and utility Windows based		
<b>Power</b>	Power over Ethernet – PoE 802.3af (AC 110~220/DC 48V) with surge protector		
<b>Dimensions</b>	19"X14"X6" ( 483mmx356mmx152mm)		
<b>Weight</b>	8Lbs (3.6kg) brackets and PoE included		
<b>Cable</b>	75' (25m) length Outdoor CAT5E Rated Shielded Cable		
<b>Humidity</b>	10-90%, (Operating)		
<b>Temperature</b>	-49 to 149 Deg F (-45 to 65 Deg C)		
<b>Electromagnetic Compatibility</b>	FCC Part 15 class B, CE Mark, ETSI 300 328		