

ADT 300Mbps

DUAL RADIO SERIES



Specifications:

MODEL	ADT-APB300MHD	ADT-APB3002HD	ADT-APB3005HD
Operating Frequency	Radio 1: 2.400 ~ 2.497 GHz Radio 2: 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	Radio 1&2: 2.400 ~ 2.497 GHz Programmable for different country regulations Supper Channel: 2.3~2.5GHz	Radio 1&2: 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
Adjustable RF Output Power	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
Sensitivity	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
Range	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
Ethernet Port	10/100Base-TX (RJ-45)		
AntennaConnector	Four N Female		
RF Modulation	OFDM (BPSK, QPSK, 16- QAM, 64-QAM)		
Channel Width	5, 10, 20, 40 MHZ		
Data Rate	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	
RF OperationMode	Access Point, Station, Access Point WDS, Station WDS Repeater WDS, Access Point + Router Station + Router		
Data Security	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)		
Network Advanced Features	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)		
Link Parameters	Antenna alignment and RSSI Signal levels Site Survey Radio and Ethernet Traffic Statistics		
Management	Web, SNMP, Telnet, SSH, and utility Windows based		
Power	Power over Ethernet – PoE 802.3af (AC 110~220/DC 48V) with surge protector		
Dimensions	19"X14"X6" (483mmx356mmx152mm)		
Weight	8Lbs (3.6kg) brackets and PoE included		
Cable	75' (25m) length Outdoor CAT5E Rated Shielded Cable		
Humidity	10-90%, (Operating)		
Temperature	-49 to 149 Deg F (-45 to 65 Deg C)		
Electromagnetic Compatibility	FCC Part 15 class B, CE Mark, ETSI 300 328		