

WAP031

Industrial IP67 Outdoor Hopping/Mesh Mobility
Access Point, Triple RF, Dual Band, 802.11
a/b/g/n



Why DivioTec?

DivioTec's aim is to transcend the capabilities of the human eye and deliver an entirely new field of view. Our integrative skills and our 20 years of industry experience are constantly driving new innovations.

Our simple, easy-to-use interfaces and our rock-solid security hardware are rapidly earning the respect and confidence of our clients.

We also make a point of listening carefully to our customers' needs, applying what we learn to develop outstanding new products and a culture of exceptional service.

At DivioTec, our experience is your protection.

- Triple Radios and compliant with IEEE 802.11a/b/g/n 2x2 MIMO
- Fast roaming (hand-over switch time less than 20 ms)
- Smart installation utilities: Distance calculation, Antenna alignment and site survey tools
- 48Vdc PoE input
- Gigabit Ethernet Waterproof RJ45
- WEP, WPA, WPA2-PSK/EAP (IEEE 802.1X/RADIUS, TKIP and AES)
- Operating temperature range from -35 to 75°C

Specifications

Wi-Fi AP: WAP031	
Wireless Radio	IEEE802.11a/b/g/n Triple Radio, 2x2 MIMO
Radio Spec	WAP031H: Hopping AP, Triple Radios, IEEE 802.11 a/b/g/n Dual-Band 2x2 MIMO, High Power WAP031M: Mesh/Mobility AP, Triple Radios, IEEE 802.11 a/b/g/n Dual-Band 2x2 MIMO, High Power
Frequency Ranges	USA : 2.400 ~ 2.483 GHz; 5.15 ~ 5.35 GHz, 5.5 ~ 5.7 GHz; 5.725 ~ 5.825 GHz Europe: 2.400 ~ 2.483 GHz; 5.15 ~ 5.35 GHz; 5.47 ~ 5.725 GHz Japan: 2.400 ~ 2.497 GHz; 5.15 ~ 5.35 GHz; 5.47 ~ 5.725 GHz China: 2.400 ~ 2.483 GHz; 5.725 ~ 5.85 GHz
RF output power : (± 2dBm)	IEEE802.11a: 24dBm@6M(all); 21dBm@54M(all) IEEE802.11b: 24dBm@1M(all); 24dBm@11M(all) IEEE802.11g: 25dBm@6M(all); 22dBm@54M(all) IEEE802.11a/n HT20: 24dBm@MCS0/8(all); 18dBm@MCS7/15(5180MHz); 17dBm@MCS7/15(5825MHz) IEEE802.11a/n HT40: 22dBm@MCS0/8(all); 17dBm@MCS7/15(5190MHz); 16dBm@MCS7/15(5795MHz) IEEE802.11g/n HT20: 25dBm@MCS0/8(all); 21dBm@MCS7/15(all) IEEE802.11g/n HT40: 24dBm@MCS0/8(all); 20dBm@MCS7/15(all)
Receive Sensitivity	IEEE802.11a: -82dBm@6M, 1Rx; -95/-91dBm@6M, 2Rx; -65dBm@54M; 1Rx; -79/-75dBm@54M, 2Rx IEEE802.11b: -82dBm@1M, 1Rx; -92/-88dBm@1M, 2Rx; -76dBm@11M, 1Rx; -92/-88dBm@11M, 2Rx IEEE802.11g: -82dBm@6M, 1Rx; -95/-91dBm@6M, 2Rx; -65dBm@54M, 1Rx; -80/-76dBm@54M, 2Rx IEEE802.11a/n HT20: -82dBm@MCS0, 1Rx; -95/-91dBm@MCS0, 2Rx; -64dBm@MCS7, 1Rx; -77/-73dBm@MCS7, 2Rx IEEE802.11a/n HT40: -79dBm@MCS0, 1Rx; -91/-87dBm@MCS0, 2Rx; -61dBm@MCS7, 1Rx; -73/-69dBm@MCS7, 2Rx IEEE802.11g/n HT20: -82dBm@MCS0, 1Rx; -95/-91dBm@MCS0, 2Rx; -64dBm@MCS7, 1Rx; -77/-73dBm@MCS7, 2Rx IEEE802.11g/n HT40: -79dBm@MCS0, 1Rx; -92/-88dBm@MCS0, 2Rx; -61dBm@MCS7, 1Rx -74/-70dBm@MCS7, 2Rx
Ethernet	10/100/1000 Base-TX MDI/MDIX RJ-45 x 1 Compliant with : IEEE802.3 / 802.3u; Hardware based 10/100/1000, full/half, flow control auto negotiation
Bridge mode	Layer 2 Switching Learning Technology Spanning Tree Protocol -IEEE 802.1d STP / IEEE 802.1w RSTP Store-and-Forward Static IP DHCP server IEEE 802.1q Tag VLAN IEEE 802.1p VLAN Priority Based QoS
Router mode	DHCP Server; RIP; IP Filter; Port Filter; Port Forward; DMZ Support; Static Route
Security	Hide SSID MAC filtering ACL WEP 64/128/152 bits IEEE 802.1x EAP-TLS/EAP-TTLS/MSCHAPv2/GTC WPA / WPA2 PSK / EAP with TKIP / CCMP AES based Encryption
Management	HTTP(s) Web GUI; Telnet; SSH; CLI commands; SNMP v2c and V3 standard.(Private MIB); Syslog Layer management Utility; Management VLAN Tag; NTP client; Firmware upgrade; Configuration Backup and Restore; Factory default configuration
Utility	Ping test; RSSI and Path loss Calculation; Wireless Site survey; Antenna Alignment Tool; System Status; Link Information

Advanced Technology	Multiple Hopping (up to 10 hops with more than 100Mbps throughput) Wireless Bandwidth Limitation
Physical and Power	Support 48Vdc Power over Ethernet Form Factor: Pole/Wall mountable Dimension: 220 x 220 x 77 mm Weight: 2.0kg (3.7kg mount kit included) Outdoor IP67 rated
Operating temperature	-35~75° C
Storage temperature	-35~75° C
Humidity	0% to 95% maximum (Non-condensing)
Vibration	Random 0.3g
Certification	FCC, CE, RoHS compliant
Package Contents	WAP031 x1; 48Vdc power adaptor x1; PoE injector x1; Pole/Wall mount kit x1
Ordering Information	WAP031H/WAP0301M

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Specifications are subject to change without notice.
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