

TGAP-W610+ series

Industrial EN50155 IEEE 802.11 a/b/g/n AP with 1x10/100/1000Base-T(X) PoE P.D., IP-67 grade



Features

- High Speed Air Connectivity: RF in IEEE 802.11 a/b/g/n WLAN interface support up to 300Mbps link speed
- Highly Security Capability: WEP/WPA/WPA-PSK(TKIP,AES)/ WPA2/WPA2-PSK(TKIP,AES)/802.1X Authentication supported
- Support Long Distance Air Connectivity
- Support Multiple-SSID to 4 SSID
- Support X-Roaming < 60 ms</p>
- Support wireless load balance
- > Support external N-Type antenna installation
- Support AP/ Client /Bridge /AP-Client Mode
- Support MAC/IP/Port Filter
- Wireless connecting status monitoring
- Secured Management by HTTPS
- > 1KV isolation for PoE P.D.
- Event Warning by Syslog, Email, SNMP Trap, and Relay output
- Rigid IP-67 waterproof housing design





















Introduction

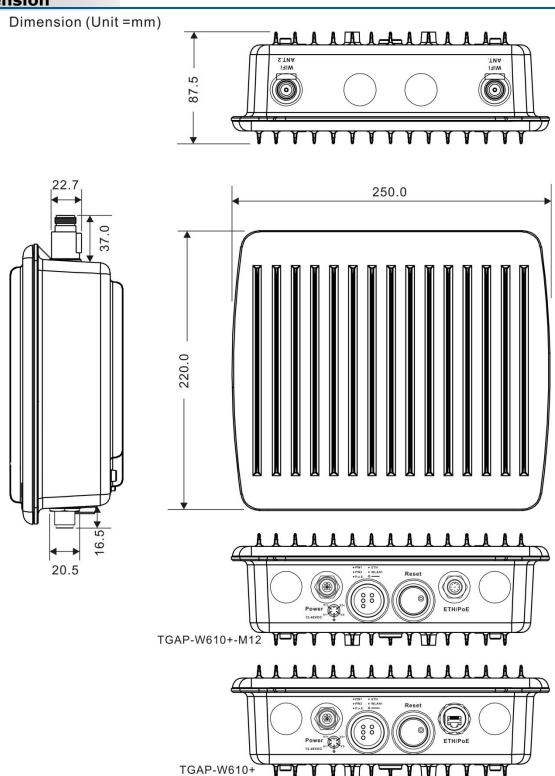
TGAP-W610+ is a reliable outdoor wireless Access Point with IEEE 802.11 a/b/g/n wireless modules and 1 Ethernet Gigabit port with PoE P.D.. It can be configured to operate in AP/ Client /Bridge /AP-Client Mode and supports MAC filters for security control. TGAP-W610+ provides a dust-tight connection and four N-Type connectors that can install any N-Type antennas to extend communication distance. It is specifically designed for the toughest industrial environments. You are able to configure TGAP-W610+ by WEB interface via LAN port or WLAN interface. In addition, TGAP-W610+ also provides P.D. feature that is fully compliant with IEEE802.3af PoE P.D. specification to save the layout cost of power line. TGAP-W610+ can be easily adopted in almost all kinds of applications and provides the most rugged solutions for managing your network in outdoor. Therefore, TGAP-W610+ is one of the best communication solutions for wireless applications

Application

In practical operation of wireless access point, Windows utility (Open-Version) is supported. This utility is very helpful for you to search and configure IP of access point on the industrial network.

In addition, the wireless access point support various kinds of operation modes include AP/Dual Client /Bridge /AP-Client Mode.

Dimension

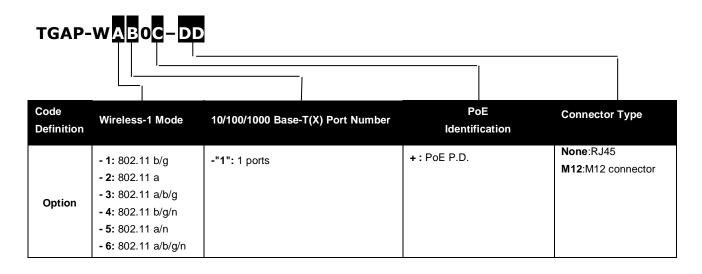


Specifications

ORing WLAN Access Point	TGAP-W610+	TGAP-W610+-M12
Model	IGAP-W610+	1GAP-W010+-W12
Physical Ports		
10/100/1000Base-T(X) Port	1	1
Auto MDI/MDIX	(RJ45)	(M12 8-pin A-coding)
,	Present at ETH	()
	Fully compliant with IEEE 802.3af Power Device	specification
PoE P.D. port	Over load & short circuit protection	
	Isolation Voltage: 1000 VDC min.	
	Isolation Resistance: 10 ⁸ ohms min	
WLAN interface		
Operating Mode	P/Dual Client /Bridge /AP-Client Mode	
Antenna Connector	2 x External N-Type female antenna connector	
Radio Frequency Type	DSSS, OFDM	
	IEEE802.11a: OFDM with BPSK, QPSK, QAM, 64QAM	1
Modulation	IEEE802.11b: CCK, DQPSK, DBPSK	
Modulation	IEEE802.11g: OFDM with BPSK, QPSK, 16QAM, 64QA	MA
	IEEE802.11n: BPSK, QPSK, 16-QAM, 64-QAM	
	America / FCC: 2.412~2.462 GHz (11 channels)	CUE (O shannala)
Frequency Band	5.180~5.240 GHz & 5.745~5.825	ы ып (У cnanneis)
	Europe CE / ETSI : 2.412~2.472 Ghz (13 channels) 5.180~5.240 GHz (4 channels)	
	IEEE802.11b: 1 / 2 / 5.5 / 11 Mbps	
Transmission Rate	IEEE802.11a/g: 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54 M	bps
	IEEE801.11n: up to 300Mbps	
	802.11a: 12dBm ± 1.5dBm@54Mbps	
	802.11b: $17dBm \pm 1.5dBm@11Mbps$	
	802.11g: 16dBm ± 1.5dBm@54Mbps	
Transmit Power	802.11gn HT20: 15dBm ± 1.5dBm @MCS7	
	802.11gn HT40: 14dBm ± 1.5dBm @MCS7 802.11an HT20: 12dBm ± 1.5dBm @MCS7	
	802.11an HT40: 11dBm ± 1.5dBm @MCS7	
	802.11a : -76dBm ± 2dBm@54Mbps	
	802.11b : -85dBm ± 2dBm@11Mbps	
	$802.11g : -76dBm \pm 2dBm@54Mbps$	
Receiver Sensitivity	802.11gn HT20:-75dBm \pm 2dBm@MCS7	
	802.11gn HT40:-72dBm \pm 2dBm@MCS7	
	802.11an HT20:-74dBm ± 2dBm@MCS7	
	802.11an HT40:-71dBm ± 2dBm@MCS7	
	WEP: (64-bit ,128-bit key supported) WPA/WPA2:802.11i(WEP and AES encryption)	
Encryption Security	WPAPSK (256-bit key pre-shared key supported)	
	802.1X Authentication supported	
	TKIP encryption	
Wireless Security	SSID broadcast disable and enable	
Protocol Support		
Protocol	ARP,BOOTP, DHCP, DNS, HTTP, IP, ICMP, SNTP, TCP	, UDP, RADIUS, SNMP, STP, RSTP,
LED indicators		
	2 V LEDG DW1/DW2/DoE Cross On - Dower in the	
Power indicator	3 x LEDs, PW1/PW2/PoE Green On : Power is on	
10/100/1000Base-T(X) indicator	1 x LEDs, Green for port Link/Act	
WLAN LED	1 x LEDs, Green for WLAN Link /Act	
Power		
Input power	Dual Power Inputs. 12~48 VDC	
Power consumption (Typ.)	9Watt	
Physical Characteristic		
Enclosure	IP-67	
Dimension (W x D x H)	310 (W) x 310(D) x 87 (H) (12.2 x 12.2 x 3.4 inch)	
` '	3900g	

Environmental		
Storage Temperature	-40 to 85°C (-40 to 185°F)	
Operating Temperature	-25 to 70°C (-13 to 158°F)	
Operating Humidity	5 to 95% Non-condensing	
Regulatory approvals		
EMI	FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2)	
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11	
Shock	IEC60068-2-27, EN61373	
Free Fall	IEC60068-2-32	
Vibration	IEC60068-2-6, EN61373	
Rail Traffic	EN50155	
Cooling	EN60068-2-1	
Dry Heat	En60068-2-2	
Safety	EN60950-1	
Warranty	5 years	

Ordering Information



	Model Name	Description
	TGAP-W610+_US	Industrial EN50155 IEEE 802.11 a/b/g/n wireless access point with 1x10/100/1000Base-T(X), PoE P.D., IP-67 grade, US band
Available Model	TGAP-W610+_EU	Industrial EN50155 IEEE 802.11 a/b/g/n wireless access point with 1x10/100/1000Base-T(X), PoE P.D., IP-67 grade, EU band
	TGAP-W610+-M12_US	Industrial EN50155 IEEE 802.11 a/b/g/n wireless access point with 1x10/100/1000Base-T(X), PoE P.D., M12 connector, IP-67 grade, US band
	TGAP-W610+-M12_EU	Industrial EN50155 IEEE 802.11 a/b/g/n wireless access point with 1x10/100/1000Base-T(X), PoE P.D., M12 connector, IP-67 grade, EU band

Packing List

• TGAP-W610+ x 1

• CD x 1

• Quick Installation Guide x 1

Wall Mount Kit x 1

• 2.4GHz/5GHz Antenna x 2

Cable Gland x 1(TGAP-W610+)

Optional Accessories

DR-45 series : 45 Watts power supply

DR-120 series : 120 Watts power supply

RF Antenna Base series

• DR-75 series : 75 Watts power supply

• WLAN RF Antenna series

• RF Cable series

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ORing:

TGAP-W610+-M12 TGAP-W610+