

TGAP-W6610+ Series

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

b

Features

- High Speed Air Connectivity: RF in IEEE 802.11 a/b/g/n WLAN interface support up to 300Mbps link speed
- > **Dual RF** for redundant wireless communication
- 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
- Rigid IP-67 waterproof housing design























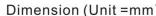
TGAP-W6610+ is a reliable outdoor wireless Access Point with dual RF IEEE 802.11 a/b/g/n wireless modules and 1 Ethernet Gigabit port with PoE P.D.. It can be configured to operate in AP/ Client /Bridge /AP-Client Mode and supports MAC filters for security control. TGAP-W6610+ provides a dust-tight connection 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-W6610+ by WEB interface via LAN port or WLAN interface. In addition, TGAP-W6610+ 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-W6610+ can be easily adopted in almost all kinds of applications and provides the most rugged solutions for managing your network in outdoor. Therefore, TGAP-W6610+ is one of the best communication solutions for wireless applications

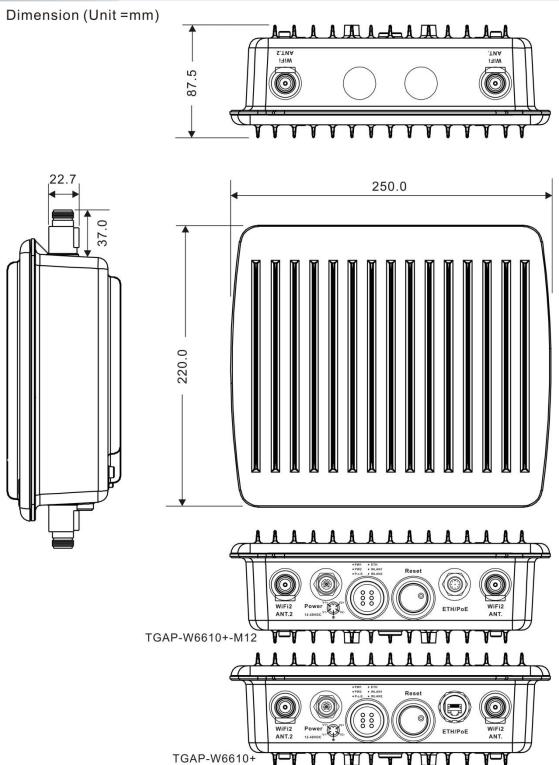
Application

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



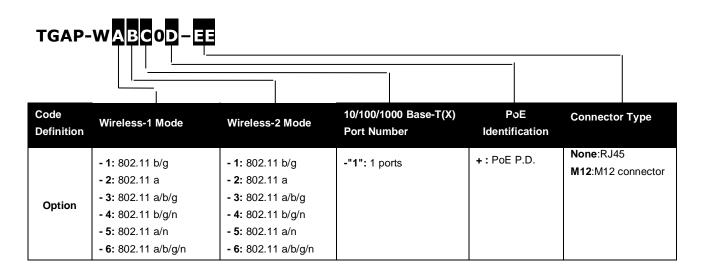


Specifications

Ring WLAN Access Point	TGAP-W6610+	TGAP-W6610+-M12
Model	. 5.0	TOTAL PRODUCTION
hysical Ports		
0/100/1000Base-T(X) Port	1	1
uto MDI/MDIX	(RJ45)	(M12 8-pin A-coding female)
oE P.D. port	Present at ETH Fully compliant with IEEE 802.3af Power Device specification Over load & short circuit protection Isolation Voltage: 1000 VDC min. Isolation Resistance: 108 ohms min	
VLAN interface		
Operating Mode	Dual AP/Dual Client /Bridge /AP-Client Mode	
Intenna Connector	4 x External N-Type female antenna connector	
ladio Frequency Type	DSSS, OFDM	
1odulation	IEEE802.11a: OFDM with BPSK, QPSK, QAM, 64QAM IEEE802.11b: CCK, DQPSK, DBPSK IEEE802.11g: OFDM with BPSK, QPSK, 16QAM, 64QAM IEEE802.11n: BPSK, QPSK, 16-QAM, 64-QAM	1
requency Band	America / FCC: 2.412~2.462 GHz (11 channels) 5.180~5.240 GHz & 5.745~5.825 GHz (9 channels) Europe CE / ETSI: 2.412~2.472 Ghz (13 channels) 5.180~5.240 GHz (4 channels)	
ransmission Rate	IEEE802.11b: 1 / 2 / 5.5 / 11 Mbps IEEE802.11a/g: 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54 Mb IEEE801.11n: up to 300Mbps	os
ransmit Power	802.11b: 17dBm ± 1.5dBm@11Mbps 802.11g: 16dBm ± 1.5dBm@54Mbps 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	
leceiver Sensitivity	802.11a: -76dBm ± 2dBm@54Mbps 802.11b: -85dBm ± 2dBm@11Mbps 802.11g: -76dBm ± 2dBm@54Mbps 802.11gn HT20:-75dBm ± 2dBm@MCS7 802.11gn HT40:-72dBm ± 2dBm@MCS7 802.11an HT20:-74dBm ± 2dBm@MCS7 802.11an HT40:-71dBm ± 2dBm@MCS7	
incryption Security	WEP: (64-bit ,128-bit key supported) WPA/WPA2 :802.11i(WEP and AES encryption) WPAPSK (256-bit key pre-shared key supported) 802.1X Authentication supported TKIP encryption	
Vireless Security	SSID broadcast disable and enable	
rotocol Support		
rotocol	ARP,BOOTP, DHCP, DNS, HTTP, IP, ICMP, SNTP, TCP,	UDP, RADIUS, SNMP. STP. RSTP.
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ED indicators		
ower indicator	3 x LEDs, PW1/PW2/PoE Green On : Power is on and b	pooting up
0/100/1000Base-T(X) indicator	1 x LEDs, Green for port Link/Act	
VLAN LED	2 x LEDs, Green for WLAN Link /Act	
ower		
nput power	Dual Power Inputs. 12~48 VDC on M12 5-pin A-coding female	
ower consumption (Typ.)	11Watt	
Physical Characteristic		
	ID 67	
nclosure	IP-67	

Weight (g)	3980g	
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
Available	TGAP-W6610+_US	Industrial EN50155 Dual RF in IEEE 802.11 a/b/g/n wireless access point with 1x10/100/1000Base-T(X), PoE P.D., IP-67 grade, EU band
Model	Model TGAP-W6610+_EU	Industrial EN50155 Dual RF in 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-W6610+-M12_US	Industrial EN50155 Dual RF in 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	
	TGAP-W6610+-M12_EU	Industrial EN50155 Dual RF in 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- W6610+ x 1

• CD x 1

• Quick Installation Guide x 1

Wall Mount Kit x 1

2.4GHz/5GHz Antenna x 4

Cable Gland x 1(TGAP-W6610+)

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