

LPWAN IoT GPS/GLONASS



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ELECTRICAL DATA

	AO-A868-G015-RS	AO-A868-SMVS1	AP-AGNSS-L004M-S5	AP-AGPS-30S
	LPWAN Antenna Stick 90°	LPWAN Antenna Stick 180°	GPS Antenna Magnetic 004	GPS Antenna Adhesive 30
Working Frequency	868 MHz	868 MHz	1575.42/1602 MHz	1575.42 MHz
Directivity	Omni-Directional	Omni-Directional	Directional	Directional
Gain	2 dBi	2 dBi	3 dBi (28 dBi with LNA)	30 dBi (with LNA)
Polarization	Linear	Linear	RHCP	RHCP
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	< 2.0 : 1	< 1.3 : 1	< 1.5 : 1	< 1.8 : 1
Input Voltage			2.2-5 V DC	2.7-5.5 V DC

MECHANICAL DATA

Dimensions	87.2 × 16.8 × 9.2 mm	Ø7 × 17.5 mm	39 × 35 × 14 mm	ø50.4 × 17 mm
Weight	8.34 g	2.89 g	79.33 g	90 g
Operating Temperature	-40 °C to 85 °C	-20 °C to 60 °C	-40 °C to 85 °C	-40 °C to 90 °C
Mounting	Connector Mount	Connector Mount	Magnetic	Adhesive
Cable	n/a	n/a	RG174/U, 5m	RG174/U, 5m
Connector	SMA(m)	SMA(m)	SMA(m)	SMA(m)

GSM/UMTS/LTE



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	AO-ALTE-FPC002U100	AO-ALTE-G016LS	AO-ALTE-G046LS	AO-ALTE-XL7025-15
	LTE Antenna Flexible 002	LTE Antenna Magnetic 016L	LTE Antenna Mount 046L	LTE Antenna Mounting XL7025
ELECTRICAL DATA				
Working Frequency	700/800/900/1700/1800/1900/2100/2600 MHz	700/800/868/1800/1900/2100/2600 MHz	700/800/900/1700/1800/2100/2500/2600/2700 MHz	698-960/1710-2700 MHz
Directivity	Omni-Directional	Omni-Directional	Omni-Directional	Directional
Gain	0 dBi	2 dBi	2.5 dBi	15 dBi
Polarization	Linear	Linear	Linear	Linear
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	< 2.0 : 1	< 2.0 : 1	< 2.5 : 1	< 2.0 : 1

MECHANICAL DATA

Dimensions	20 × 80 × 0.1 mm	ø29.4 × 121 mm	ø14.6 × 81.3 mm	445 × 210 × 65 mm
Weight	1.42 g	46.82 g	46.82 g	613.55 g
Operating Temperature	-20 °C to 80 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C
Mounting	Adhesive	Magnetic	Screw Mount	Screw Mount
Cable	Hirose088, 0.1m	RG174U, 3m	RG174/U, 3m	RG58/U, 5m
Connector	U.FL(f)	SMA(m)	SMA(m)	SMA(m)

COMBINATION



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	AO-CDMA-MG45	AO-AKOM-CAP	AO-AKOM-E604LMWM-5S	AO-AKOM-E058S	
ELECTRICAL DATA	CDMA Antenna Stick Magnetic	GSM+GPS Antenna Mounting CAP	LTE+GNSS+WIFI Antenna Mounting E604	LTE+GNSS+WIFI Antenna Mounting E058	
	Working Frequency	450 MHz	900/1800 MHz	700/800/900/1700/1800/2100/2600 MHz 2.4/5 GHz	
	Directivity	Omni-Directional	Omni-Directional	Omni-Directional	Omni-Directional
	Gain	1.28 dBi	0 dBi	3 dB/2 dBi (WiFi)	3 dBi/2 dBi (Wifi)
	Polarization	Linear	Linear	Linear	Linear
	Impedance	50 Ω	50 Ω	50 Ω	50 Ω
	VSWR	< 1.6 : 1	< 2.0 : 1	<3.0 : 1/< 2.5 : 1 (WiFi)	< 2.0 : 1

GNSS

Centre Frequency GPS	1575.42 MHz	1575.42 MHz	1575.42 MHz
Centre Frequency GLONASS		1602 MHz	1602 MHz
Polarization	RHCP	RHCP	RHCP
Max. Gain	27 dBi (with LNA)	28 dBi (with LNA)	28 dBi (with LNA)
Impedance	50 Ω	50 Ω	50 Ω
VSWR	< 2.0 : 1	< 2.0 : 1	< 1.5 : 1
Input Voltage	2.7 - 5.5 V DC	3 - 5 V	2.2 - 5 V DC

MECHANICAL DATA

Dimensions	ø81 × 147 mm	30 × 53 × 38 mm	Ø110 × 55 mm	Ø50 × 60 mm
Weight	223.1 g	173.45 g	523.45 g	
Operating Temperature	-40 °C to 85 °C	-30 °C to 90 °C	-20 °C to 60 °C	-40 °C to 85 °C
Mounting	Magnetic	Screw Mount	Screw Mount	Screw Mount
Cable	RG174/U, 3m	2 × RG174/U, 5m	5 × RG174/U, 3m	3 × RG174/U, 3m
Connector	SMA(m)	FME(f)/SMA(m)	5 × SMA(m)	3 × SMA(m)

WI-FI, WLAN



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	AW-A2458G-W41414	AW-A24G-FFZR	AW-A24G-G016WSRP	AW-A24G-W915N
	WI-FI Antenna Patch Panel	WI-FI Antenna Stick FAKRA	WI-FI Antenna Stick Magnetic 016W	Multiband Antenna Mounting 915
ELECTRICAL DATA				
Working Frequency	2.4/5.8 GHz	2.4 GHz	2.4 GHz	900/1800/2100/2400 MHz
Power Handling	10 W	5 W	5 W	10 W
Directivity	Omni-Directional	Omni-Directional	Omni-Directional	Omni-Directional
Gain	3 dBi	0 dBi	2 dBi	3 dBi
Polarization	Linear	Linear	Linear	Linear
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	< 1.2 : 1	< 1.5 : 1	< 2.0 : 1	< 2.0 : 1

MECHANICAL DATA

Dimensions	60 × 15 × 0.6 mm	44 × 22.9 mm	121 × ø29.4 mm	ø166 × 136.6mm
Weight	6.84 g	8.11 g	53.34 g	300 g
Operating Temperature	-40 °C to 85 °C	-30 °C to 90 °C	-40 °C to 85 °C	-40 °C to 85 °C
Mounting	Patch panel	Connector Mount	Magnetic	Screw Mount
Connector	IPEX-MHF4(f)	FAKRA Z(f)	SMA-RP(f pin); RG174/U 3m	N (f); RG58/U 1m