

GSM-4G Modem Type CA 524

SULZER

The CA 524 is a 4G modem suitable for use with all type Sulzer controllers equipped with RS 232 modem communication.

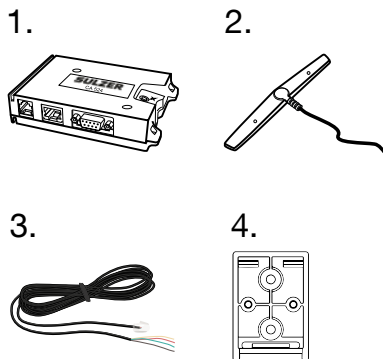
The modem kit comes complete with modem, dipole type T antenna, power cable and a DIN-rail socket. Diodes for indication of power and network status.

Features

- External antenna
- 4G twelve band LTE
- 3G seven band UMTS
- 2G quad band GSM
- Plug & play with Sulzer controllers
- Separate tape mounted aerial
- Approvals: CE, UL
- Antennas of desired type can be used and placed at optional point

Part number 28007012 contains

1. Modem
2. Antenna
3. Power cable
4. DIN rail socket with 2 screws

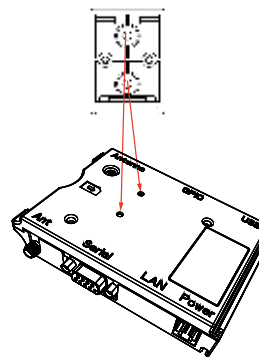


Part number 28007013 contains

The same items as part number 28007012 with additional RS-232 cable, which can also be ordered separately. (p/n: 43320588).



Mounting of DIN-rail holder



Technical specifications

Description	
Ambient operating temperature	-30 to +65 °C (-22 to +149 °F)
Mounting	DIN rail 35 mm
Degree of protection	IP 20, NEMA: Type 1
Housing material	PPO and PC
Dimensions H x W x D	115 x 86 x 26 mm (4.53 x 3.39 x 1.03 inch)
Humidity	0-90 % RH non condensing
Power supply	10-30 VDC
RS 232 serial interface	One
Antenna contact	SMA-F

Antenna accessories for CA 524

Default antenna enclosed in modem

- Default antenna supplied with the modem.
- Cable length is 2.5 meters and shall not be extended.
- Must not be mounted on a metallic surface.

Description	
Frequency	900 / 1800 / 2170 MHz
Gain	0 dBd
Cable	2.5 meter
Connector	SMA-M



Screw Mount External Antenna p/n: 28007014

- The antenna is equipped with an integrated grounding plate and can be mounted on a metal surface.
- The cable length is 2.5 meter.

Description	
Frequency	698-960, 1710-2170, 2500-2700
Impedance	Nominal 50 ohm
Polarization	Linear
VSWR	-2.1:1, -1.8:1, -2.5:1
Peak Gain	-2.6, -3.2, -1.4 dBi
Max power	25 W
Dimension	Ø 50mm x 50.8 mm Height
Weight	80 g
Cable	2.5 meter
Connector	SMA-M
Degree of protection	IP67 when installed
Temperature	Operation -40 °C to +85 °C



ALIGN Antenna Kit p/n: 28007008

- Comes as a kit, including 2 cables (2 & 10 m), a mast and wall mounting assembly.
- Supports 2G, 3G and 4G.
- Requires very accurate alignment to the base station.

Description		
Frequency	698-960 / 1710-2700 MHz	
Mounting area	Mast brackets included UV stabilized for in and outdoor mounting	
Pole diameter	20-50 mm (0.78-1.96 inches)	
Impedance	Nominal 50 ohm	
Polarization	Horizontal	
Gain	698-960	6.5 dBi
	1800-2100	9.0 dBi
	2400-2700	6.0 dBi
VSWR	< 2:1	
Dimension	230 x 180 x 94 mm (HxWxD) (9.05 x 7.08 x 3.7 inches)	
Cables	2.0 + 10.0 meter with N-m to SMA-M of ultra low loss type	
Max power	50 W	
Connector Antenna	N-m	
Weight	770 g	
Temperature	Operation -30°C to +70°C	

