1.1 Sol-2G/3G/4G - technical specifications

Model		Sol-2G	Sol-3G	Sol-4G
Antenna		dipole GSM-UMTS, SMA-Male connector (impedance 50Ohm)		
Band frequency	2G	850/900, 1800/1900 MHz	850/900, 1800/1900 MHz	Dual band B3 (1800 MHz), B8 (900MHz)
	3G	-	800/850/900, 1900/2100 MHz	Dual band B1 (2100 MHz), B8 (900MHz)
	4G	-	-	B1 (2100 MHz), B3 (1800 MHz), B7 (2600 MHz), B8 (900 MHz), B20 (800 MHz), B28A (700 MHz), B38 (2600 MHz), B40 (2300 MHz), B41 (2500 MHz)
Maximum RF output power		2W, 1W		2W (33 dBm) for 2G and 200mW (23dBm) for 4G
Temperature		from -10° to +40° C		
Maximum humidity		75% (without condensation)		
Environmental class		II		
IP Protection grade		30		
Dimensions		51 x 138 x 21 mm		
Weight		61g		

SPT (Supervised Premises Transceiver) consumptions

Consumptions	Sol-2G	Sol-3G	Sol-4G
Peak current	900 mA	600 mA	540 mA
Hourly average current	115 mA	85 mA	85 mA

1.2 ATS Categories

Sol control panels used alone or together with any of the following described optional devices constitutes an SPT (Supervised Premises Transceiver) which can be used to create an ATS (Alarm transmission System) as defined in EN 50136-1 and EN 50136-2 standards.

The maximum ATS categories achievable with SPT configurations and the main communication channel used together with the respective parameters are shown in the following tables.

ATS categories based on configurations

SPT Configurations					SPT primary network interface	ATS categories	
Sol control panels	Sol-PSTN	Sol-LAN/S	Sol-WIFI	Sol-2G/3G/4G		Single Path (SP)	Dual Path (DP)
X	X				PSTN	2	/
X		X			Internet	6	/
X			X		Internet	6	/
X				X	GSM/GPRS	6	/
X		X	X		Internet	6	/
X		X		X	Internet or GSM/GPRS	6	4
X			X	X	Internet or GSM/GPRS	6	4
X		X	X	X	Internet or GSM/GPRS	6	4
X	X	X			Internet	6	2
X	X		X		Internet	6	2
X	X			X	GSM/GPRS	6	2