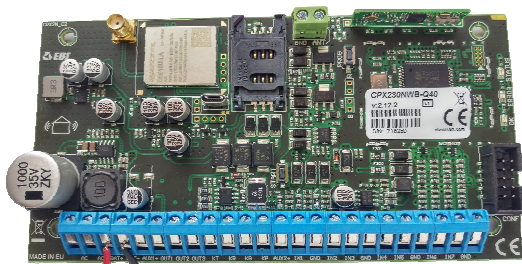


DATA SHEET of

Alarm control panel CPX230NWB

Model CPX230NWB-Q40



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Product name			Alarm control panel CPX230NWB	
Model			CPX230NWB-Q40	
Power supply parameters	Voltage supply		18V _{AC} (acceptable: 16-20V _{AC})	
	Power consumption (average / max)		120mA/180mA@18V _{AC} (fully charged battery, established connection with server, connected keypad, no sensors connected)	
Modem	Variant		Quectel EG915U-LA	
	Manufacturer		Quectel Wireless Solutions Co., Ltd. Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China	
	Frequencies range	Uplink MS > BTS	LTE-FDD (Band 2)	1850 – 1910 MHz
			LTE-FDD (Band 3)	1710 – 1785 MHz
			LTE-FDD (Band 4)	1710 – 1755 MHz
			LTE-FDD (Band 5)	824 – 849 MHz
			LTE-FDD (Band 7)	2500 – 2570 MHz
			LTE-FDD (Band 8)	880 – 915 MHz
			LTE-FDD (Band 28)	703 – 748 MHz
			LTE-FDD (Band 66)	1710 – 1780 MHz
			GSM850	824 – 849 MHz
			EGSM900	880 – 915 MHz
			DCS1800	1710 – 1785 MHz
			PCS1900	1850 – 1910 MHz
		Downlink BTS > MS	LTE-FDD (Band 2)	1930 – 1990 MHz
			LTE-FDD (Band 3)	1805 – 1880 MHz
			LTE-FDD (Band 4)	2110 – 2155 MHz
			LTE-FDD (Band 5)	869 – 894 MHz
			LTE-FDD (Band 7)	2620 – 2690 MHz
			LTE-FDD (Band 8)	925 – 960 MHz
			LTE-FDD (Band 28)	758 – 803 MHz
			LTE-FDD (Band 66)	2110 – 2200 MHz
			GSM850	869 – 894 MHz
			EGSM900	925 – 960 MHz
			DCS1800	1805 – 1880 MHz
			PCS1900	1930 – 1990 MHz
	Transmitting Power (50Ω load)		LTE-FDD	Class 3 (23dBm ±2dB)
			GSM850	Class 4 (33dBm ±2dB)
			EGSM900	Class 4 (33dBm ±2dB)
			DCS1800	Class 1 (30dBm ±2dB)
			PCS1900	Class 1 (30dBm ±2dB)
	Receiving Sensitivity (typical)		LTE-FDD (Band 2)	-98.1dBm
			LTE-FDD (Band 3)	-98.2dBm
			LTE-FDD (Band 4)	-97.5dBm
			LTE-FDD (Band 5)	-97.4dBm
			LTE-FDD (Band 7)	-96.1dBm
			LTE-FDD (Band 8)	-97.5dBm
			LTE-FDD (Band 28)	-99.4dBm
			LTE-FDD (Band 66)	-97.9dBm
			GSM850	-108dBm

		EGSM900	-106.8dBm
		DCS1800	-107.5dBm
		PCS1900	-107.2dBm
Radio receiver	Model	32001309B	
	Manufacturer	Mipot S.p.A. Hi-Tech company Via Corona 5, 34071 – Cormons (GO) Italy	
	Reception frequency	433,92 MHz	
	Modulation	ASK (OOK)	
	RF sensitivity	typ. -116 dBm	
	IF bandwidth @ -3dB	300 kHz	
	Encoding of transmission	Keeloq hopping code	
SIM cards supported		Mini SIM	
Transmission channels		GPRS, LTE-FDD, SMS	
Transmission security		AES encryption	
Wired zones		7	
Possibility of wired zones configuration		NC / NO / EOL-NC / EOL-NO / DEOL-NC / DEOL-NO / TEOL	
Wireless zones		32	
Response types of zones		<ul style="list-style-type: none"> - instant - delay - 24h burglary - arming/disarming by violation - 24h tamper - interior delay - 24h burglary silent - 24h fire - perimeter - perimeter exit - 24h gas - 24h water leakage - night (bypassed) - night with prealarm - arming/disarming by state change 	
Partitions		2	
Outputs		1 OC type - max. current 1,1A	
		2 OC type - max. current 50mA	
Output functions (ways of control)		<ul style="list-style-type: none"> - unused - alarm - armed status - power supply fault - communication loss - cellular jamming indicator - chirp - alarm and chirp 	
Power outputs +12V		2 for external devices (max. current of each 350mA) 1 for keypads (max. current 100mA)	
Wired keypads		KP32 (max. 3)	
Wireless keypads		KP2W (max. 32)	
Remote controls		RC-10 (max. 32)	
Support wireless detectors		MC-10, PIR-10, PIR-11, SD-20, MC-11, FL-10, MD-10, GB-10, GS-21, GS-22	
Users (admin / installer / user)		1 / 1 / 31 (possible remote administration of users)	
Users SMS		Yes, 10 different phone numbers	
Quantity of events stored in history		min. 5000	
Timestamp event		Yes	
Status LEDs		3 LEDs (GSM signal level, device state and faults)	
Buttons (functions)		2 buttons (startup without mains power supply, restore default codes)	
Configuration		Remotely: via LTE, GPRS, SMS	
		Locally: by PC (required SP-PROG or MINI-PROG programmer) or by KP32 keypad	
Remote firmware update		YES	
Backup battery connection		YES, rechargeable sealed lead-acid 12V-7Ah	
Charging module functions		<ul style="list-style-type: none"> - charging voltage 13,8V - charging current limiting up to 350mA 	

	<ul style="list-style-type: none"> - short circuit of the battery output protection - over-discharge battery protection (bellow 9V) - low battery voltage signalization (bellow 11V) - battery failure signalization - AC failure signalization
Temperature range of working	-10°C ... +55°C
Humidity range of working	5% ... 93% (without condensation)
Dimensions	PCB: 152 x 78 x 30mm