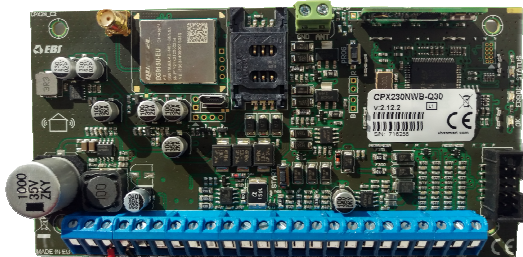


DATA SHEET of

Alarm control panel CPX230NWB

Model CPX230NWB-Q30



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Product name			Alarm control panel CPX230NWB			
Model			CPX230NWB-Q30			
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-EU			
	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 1)		1920 – 1980 MHz	
			LTE-FDD (Band 3)		1710 – 1785 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 20)		832 – 862 MHz	
			LTE-FDD (Band 28)		703 – 748 MHz	
			GSM850		824 – 849 MHz	
			EGSM900		880 – 915 MHz	
			DCS1800		1710 – 1785 MHz	
			PCS1900		1850 – 1910 MHz	
			Downlink BTS > MS	LTE-FDD (Band 1)		2110 – 2170 MHz
				LTE-FDD (Band 3)		1805 – 1880 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 20)			791 – 821 MHz		
	LTE-FDD (Band 28)			758 – 803 MHz		
	GSM850			869 – 894 MHz		
	EGSM900			925 – 960 MHz		
	DCS1800			1805 – 1880 MHz		
	PCS1900			1930 – 1990 MHz		
	RF Output Power @50Ω (max.)			LTE-FDD B1/B3/B5/B7/B8/B20/B28		Class 3 (23dBm ±2dB)
			GSM850		Class 4 (33dBm ±2dB)	
			EGSM900		Class 4 (33dBm ±2dB)	
			DCS1800		Class 1 (30dBm ±2dB)	
			PCS1900		Class 1 (30dBm ±2dB)	
	Receiver Input Sensitivity (typical)		LTE-FDD (Band 1)		-97.0dBm	
			LTE-FDD (Band 3)		-98.3dBm	
			LTE-FDD (Band 5)		-97.4dBm	
			LTE-FDD (Band 7)		-96.1dBm	
			LTE-FDD (Band 8)		-97.0dBm	
			LTE-FDD (Band 20)		-98.3dBm	
			LTE-FDD (Band 28)		-98.6dBm	
GSM850			-108.0dBm			
EGSM900			-106.5dBm			
DCS1800			-107.5dBm			
PCS1900			-107.0dBm			

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		- 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)		- 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		- charging voltage 13,8V - charging current limiting up to 350mA - 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