

DATA SHEET of
2G/4G/ETH Communicator
EPX400-A30C



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Product name		2G/4G/ETH Communicator	
Model		EPX400-A30C	
Power supply parameters	Voltage supply	18V _{AC} (acceptable: 16-20V _{AC})	
	Power consumption (average / max)	150mA/250mA @18V _{AC} and full charged battery	
Modem	Type	Cinterion ELS62-W	
	Manufacturer	THALES DIS AIS Deutschland GmbH Werinherstrasse 81 81541 Munich Germany	
	Frequency bands	GSM/GPRS/EGPRS	850 (Bd5)
			900 (Bd8)
			1800 (Bd3)
			1900 (Bd2)
		LTE	2100 (Bd1)
			1900 (Bd2)
			1800 (Bd3)
			AWS-1 (Bd4)
			850 (Bd5)
			2500 (Bd7)
			900 (Bd8)
			800 (Bd20)
			700 (Bd28)
			TD2600 (Bd38)
			TD2300 (Bd40)
			TD2600 (Bd41)
			AWS-3 (Bd66)
	Output power	GSM/GPRS/EDGE (according to 3GPP Release 99)	Class4 for 850(Bd5) / 900(Bd8) GMSK Class1 for 1800(Bd3) / 1900(Bd2) GMSK ClassE2 for 850(Bd5) / 900(Bd8) 8-PSK ClassE2 for 1800(Bd3) / 1900(Bd2) 8-PSK
		LTE (according to 3GPP Release 13)	Class 3 for LTE 2100, LTE FDD Bd1 Class 3 for LTE 1900, LTE FDD Bd2 Class 3 for LTE 1800, LTE FDD Bd3 Class 3 for LTE AWS, LTE FDD Bd4 Class 3 for LTE 850, LTE FDD Bd5 Class 3 for LTE 2500, LTE FDD Bd7 Class 3 for LTE 900, LTE FDD Bd8 Class 3 for LTE 800, LTE FDD Bd20 Class 3 for LTE 700, LTE FDD Bd28 Class 3 for LTE TD2600, LTE TDD Bd38 Class 3 for LTE TD2300, LTE TDD Bd40 Class 3 for LTE TD2600+, LTE TDD Bd41 Class 3 for LTE AWS-3, LTE FDD Bd66

	Data transfer	GPRS	- Multislot Class 12 - Mobile Station Class B - Coding Scheme 1-4
		EGPRS	- Multislot Class 12 - PBCCH support - Mobile Station Class B - Downlink coding schemes – MCS 1-9 - Uplink coding schemes – MCS 1-9
		LTE	- UE CAT 1bis supported - DL 10.2Mbps, UL 5.2Mbps
SIM cards supported		Mini SIM	
Transmission channels		LTE, EDGE, GPRS, SMS, ETH, PSTN*	
		*transparent, PSTN dialer required in a CP	
Simulated PSTN line		YES	
Protocols supported on the phone input		SIA, ContactID	
Ethernet		- 10BaseT / 100Base - TX IEEE 802.3 compliant - speed and duplex auto-negotiation - auto-detection of correct cable connections (cross/straight)	
Inputs		9 (NO/NC/EOL-NO/EOL-NC/DEOL-NO/DEOL-NC)	
Outputs		2 (OC, max. load 100mA)	
		1 relay output (NO/NC, max. load 1A/30VDC or 0,5A/125VAC)	
Output functions (activation conditions)		- When mobile network watchdog - When mobile data watchdog - When Ethernet watchdog - No connection to server (immediately after detection) - No GSM signal (immediately after detection) - When incoming call detected from number - Dependent on state transition from nonactive to active of one of the Inputs	
Serial interface		RS232 / RS485 (lines: RxD, TxD, RTS, CTS) transmission speed up to 115200bps	
Quantity of system events stored in history		5000	
Transmission security		AES encryption	
Status LEDs (functions)		4 LEDs (GSM signal level, device state, DTMF communication)	
Configuration		Remote: LTE, EDGE, GPRS, SMS, ETH	
		Local: PC through USB (required: SP-PROG or MINI-PROG-BT)	
Remote firmware update		YES	
Remote access to the control panel		YES	
Backup battery connection		YES, lead-acid 12V	
Charging module functions		- protection against reverse battery connection - AC failure signalization - low battery/no battery signalization - protection against short circuit battery output - polymer fuse	
Battery charging current		max. 220mA	
Threshold of signaling low battery voltage		11VDC	
Temperature range of working		-10°C ... +55°C	
Humidity range of working		5% ... 93% (without condensation)	
Dimension		PCB: 163 x 73mm	
Weight		PCB: 120g	
Security grade according to EN50131-1, EN50131-10		Grade 3	
Environmental class according to EN50130-5		II	
ATS Category according to EN50136-1, EN50136-2		SP5 (GPRS, LAN), SP2 (SMS)	