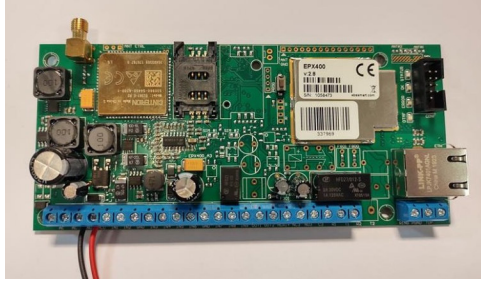


**DATA SHEET of**  
**2G/4G/ETH Communicator**  
**EPX400-A30C**



EBS Sp. z o.o.  
 59 Bronislawa Czecha St.  
 04-555 Warsaw, POLAND  
 E-mail: [dws@ebssmart.com](mailto:dws@ebssmart.com)  
 Technical support: [support@ebssmart.com](mailto:support@ebssmart.com)  
 Webpage: [www.ebssmart.com](http://www.ebssmart.com)

Product name		2G/4G/ETH Communicator		
Model		EPX400-A30C		
Power supply parameters	Voltage supply	18V <sub>AC</sub> (acceptable: 16-20V <sub>AC</sub> )		
	Power consumption (average / max)	130mA/215mA @18V <sub>AC</sub> 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)
		LTE	1800 (Bd3)	1900 (Bd2)
	Output power	GSM/GPRS/EDGE (according to 3GPP Release 99)	2100 (Bd1)	1900 (Bd2)
1800 (Bd3)			AWS-1 (Bd4)	
850 (Bd5)			2500 (Bd7)	
900 (Bd8)			800 (Bd20)	
LTE (according to 3GPP Release 13)		700 (Bd28)	TD2600 (Bd38)	TD2300 (Bd40)
		TD2600 (Bd41)	AWS-3 (Bd66)	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
		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	<ul style="list-style-type: none"> <li>- Multislot Class 12</li> <li>- Mobile Station Class B</li> <li>- Coding Scheme 1-4</li> </ul>
		EGPRS	<ul style="list-style-type: none"> <li>- Multislot Class 12</li> <li>- PBCCH support</li> <li>- Mobile Station Class B</li> <li>- Downlink coding schemes – MCS 1-9</li> <li>- Uplink coding schemes – MCS 1-9</li> </ul>
		LTE	<ul style="list-style-type: none"> <li>- UE CAT 1bis supported</li> <li>- DL 10.2Mbps, UL 5.2Mbps</li> </ul>
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		<ul style="list-style-type: none"> <li>- 10BaseT / 100Base - TX IEEE 802.3 compliant</li> <li>- speed and duplex auto-negotiation</li> <li>- auto-detection of correct cable connections (cross/straight)</li> </ul>	
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)		<ul style="list-style-type: none"> <li>- When mobile network watchdog</li> <li>- When mobile data watchdog</li> <li>- When Ethernet watchdog</li> <li>- No connection to server (immediately after detection)</li> <li>- No GSM signal (immediately after detection)</li> <li>- When incoming call detected from number</li> <li>- Dependent on state transition from nonactive to active of one of the Inputs</li> </ul>	
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 comunication)	
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		<ul style="list-style-type: none"> <li>- protection against reverse battery connection</li> <li>- AC failure signalization</li> <li>- low battery/no battery signalization</li> <li>- protection against short circuit battery output</li> <li>- polymer fuse</li> </ul>	
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)	