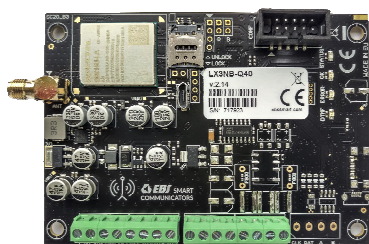


LX3NB-Q40
DATA SHEET of
2G/4G Communicator LX3NB



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Product name		2G/4G Communicator LX3NB	
Model		LX3NB-Q40	
Power supply parameters		Voltage supply	13,8V _{DC} (acceptable: 12-14V _{DC})
		Power consumption	70mA/300mA (average/max) @13,8V _{DC}
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
		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
Card supported		Nano SIM	
Transmission channels		GPRS, LTE-FDD, SMS	
Transmission security		AES encryption	
Simulated PSTN line		YES	
Protocols supported on the phone input		SIA, ContactID	
Inputs / Outputs		8 configurable	
AC power detection input		Maximum voltage 25V _{AC}	
Outputs functions		Possible reaction to: - mobile network watchdog - mobile data watchdog - no connection to server - no cellular signal - when incoming call detected form stored number - reaction on state of one of the inputs - full control via server or through SMS	
Quantity of system events stored in history		5000	
Status LEDs (functions)		4 LEDs (cellular signal level, device status, DTMF communication)	
Configuration		Remote: GPRS, LTE-FDD, SMS Local: from PC (required SP-PROG or MINI-PROG-BT)	
Remote firmware update		YES	
Temperature range of working		-10°C ... +55°C	
Humidity range of working		5% ... 93% (without condensation)	
Dimensions of the PCB		102 x 73 mm	