

Accessories —Communication & Transmission

Modem GPRS, 3G, 4G. UMTS Router. Wi-Fi Module

For remote connections, 3G-4G modems are available. Via modem, is possible to send (“push mode”) data to FTP server or, using the program P1-CommNET, to LSI LASTEM GIDAS database. These devices can be mounted inside ELF boxes.

	DEA718.3	Modem GPRS - GSM-850 / EGSM-900 / DCS-1800 / PCS-1900 MHz Quad-Band. GPRS class 10	
		Operative temperature	-20...70°C
		Power supply	9...24 Vcc from data logger
		Consumption	Sleep: 30 mA, during com. 110 mA
		Weight	0.2 kg
		Compatibility	E-Log
	ELA110	Connection cable between E-Log and DEA718.3 modem	
	MC4101	Fixing bar for DEA718.3 in ELF boxes	
	DEA609	Modem adapter DEA718.3 / external antenna DEA611	
	TXCMA2200	Modem 4G/LTE/HSPA/WCDMA/GPRS Quadband/class 10/class12	
		LTE FDD	Download speed 100Mbps Upload speed 50Mbps
		Frequency band (MHz)	850/900/1800/1900MHz
		Input	2 x RS232, 1 x RS485
		Cellular Antenna	Standard SMA female interface, 50 ohm, lightning protection(optional)
		SMS	Yes
		Connection cable to data logger	Included
		Operative Temperature	-35...75°C
		Power supply	5...36 Vdc from data logger
		Consumption @12 V	Sleep: 3 mA. Standby: 40-50 mA. Communication mode: 75-95 mA
		Casing	Iron, IP30
		Mounting	DIN bar
		Weight	0.205 kg
Compatibility	Alpha-Log		

	DEA611	External antenna for 3G, LTE modem TXCMA2200 double gain GPRS/UMTS/LTE	
		Frequencies	GSM/GPRS/EDGE: 850 / 900 / 1800 / 1900 MHz. UMTS/WCDMA: 2100 MHz LTE: 700 / 800 / 1800 / 2600 MHz
		Free license ISM band	Field 869 MHz
		Frequency Band	UHF
		Irradiation	Omnidirectional
		Gain	2 dBi
		Power (max)	100 W
		Impedance	50 Ohm
		Cable	L=5 m
		Fixing accessory	Included
		Compatibility	TXCMA2200, DEA718.3 (adapter)
			TXMPA3770
Wireless data rate	Up to 150 Mbps		
Port	USB 2.0		
Security	WEP, WPA, WPA2, WPA-PSK/WPA2-PSY Encryptions		
Standard	IEEE802.11		
Environmental limits	0...40°C (Not condensing)		
	TXCRB2200 TXCRB2210 TXCRB2200.1	Dual SIM Industrial 4G/LTE Wi-Fi router, 3 models depending on number of LAN ports (e.g. data logger and camera with ethernet) and region covered	
		Mobile	4G (LTE), 3G
		Max data rate	LTE: 150 Mbps. 3G: 42 Mbps
		SMS	Yes
		WiFi	WPA2-PSK, WPA-PSK, WEP, MAC Filter
		Ethernet WAN port	N.1 (config. to LAN) 10/100 Mbps
		Ethernet LAN port (10/100 Mbps)	<ul style="list-style-type: none"> N.1 (TXCRB2200, TXCRB2200.1) N.4 (TXCRB2210)
		Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSL v3, TLS, ARP, VRRP, PPP, PPPoE, UPnP, SSH, DHCP, Telnet, SMNP, MQTT, Wake On Lan (WOL)
		Region (operator)	<ul style="list-style-type: none"> TXCRB2200, TXCRB2210: Global TXCRB2200.1: Europe, The Middle East, Africa

		<p>Frequencies</p> <p>Power supply</p> <p>Operating temperature</p> <p>Weigth</p> <p>Compatibility</p>	<ul style="list-style-type: none"> TXCRB2200, TXCRB2210: 4G (LTE-FDD): B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28. 4G (LTE-TDD): B38, B39, B40, B41. 3G: B1, B2, B4, B5, B6, B8, B19. 2G: B2, B3, B5, B8 TXCRB2200.1: 4G (LTE-FDD): B1, B3, B5, B7, B8, B20. 4G (LTE-FDD): B1, B3, B7, B8, B20. 3G: B1, B5, B8. 2G: B3, B8
	<p>TXANA3033</p>	<p>Network directional antenna 28dBi</p> <p>Weight/Dimensions</p> <p>Cable</p> <p>Compatibility</p>	<p>9...30 Vdc (<5W)</p> <p>-40...75°C</p> <p>0.125 kg</p> <p>Alpha-Log</p> <p>550 g / 110 x 55 mm</p> <p>H=3 m</p> <p>TXCRA2200-00.6-00.D, TXCRA2210</p>
	<p>TXCRA1300</p>	<p>Industrial router 3G/LTE dual SIM, removable magnetic antenna. Input RS232/485 for communication of independent devices (e.g. data logger with serial output, camera with ethernet output)</p> <p>Mobile</p> <p>Max data rate</p> <p>SMS</p> <p>Ethernet LAN port</p> <p>Network protocols</p> <p>Power supply</p> <p>Operating temperature</p> <p>Compatibility</p> <p>Communication ports</p> <p>Antenna</p>	<p>3G</p> <p>3G: 14 Mbps</p> <p>Si</p> <p>N.1 LAN port, 10/100BT</p> <p>PPP,PPPoE,TCP,UDP,DHCP,ICMP,NAT, DMZ,RIPv1/v2,OSPF,DDNS,VRRP, HTTP,HTTPS,DNS, ARP,QoS,SNTP, Telnet</p> <p>9...26 Vdc (<5W)</p> <p>-40...75°C</p> <p>M-Log, E-Log</p> <p>RS232, RS485</p> <p>3G/2G Omnidirectional Quad-Band included + second connector</p>
	<p>TXRMA4640</p>	<p>Satellite Modem (GPS+GLONASS L1 freq.) Thuraya M2M</p> <p>Narrowband IP</p> <p>Frequency band</p> <p>Typical lantency</p> <p>Power</p>	<p>UDP and TCP/IP</p> <p>TX 1626.5 to 1675.0 MHz R X 1518.0 to 1559.0 MHz</p> <p>< 2 s 100 bytes</p> <p>10...32 Vdc</p>

		Wi-Fi	IEEE 802.11 B/G, 2.4 GHz
		Weight / Size (L x W x H)	< 900 g / 170 x 130 x 42 mm
		Operative temperature	-40°C...+71°C
		Support to pole	DYA062
	TXRGA2100	Router/repeater/client Wi-Fi industrial	
		Wi-Fi	N.1 radio IEEE 802.11a/b/g/n, MIMO
		Sensitivity	Receiver: -92 dBm for 802.11 b/g/n and -96 dBm for 802.11a/n
		Ethernet LAN Port	N.1 LAN port Gigabit 10/100/1000
		Power Supply	9...48 Vdc
		Operative temperature	-20...60 °C
		Compatibilità	Alpha-Log
		Flat antennas	N.2 3dBi@2,4 GHz/4dBi@5GHz
		Mounting on DIN bar	With kit MAOFA1001
	TXANA1125	Omnidirectional antenna SISO "stick" 2 dB	
		Bandwidth	Broad 698..3800 MHz
		Gain	2 dB
		Length	16 cm
		Cable	3 m with SMA connector
		Mounting	Pole/wall mounting kit included
	TXANA1125.1	Omnidirectional antenna SISO "stick" 6 dB	
		Bandwidth	2.4 GHz
		Gain	6 dB
		Length	25 cm
		Cable	2 m with N-f/RSMA connector
		Mounting	Pole/wall mounting plate included

Long distance VHF radio

VHF radios allow easy, cost-free connections, several kilometers away. Via radio it is possible to connect several data loggers with MASTER/SLAVE logic or to connect a data logger to a PC. These devices can be mounted inside ELF boxes.

	TXRMA2132	160 MHz radio modem for PC or data logger connection, VHF-500 mW erp; includes 3 elements Yagi antenna. Transmitting part of the system, connected with ELA110+ELA105 to data logger, included in M-Log and E-Log.	
		Operating band	169.400...169.475 MHz
		Output power	500 mW ERP
		Number of channels	12.5 - 25 - 50 kHz
		Radio data rate (Tx/Rx)	4.800 bps@12.5kHz, 9600 bps@25kHz, 19200 bps @50 kHz
		Power supply	9...32 Vcc
		Consumption	140 mA (Rx)
		Operative temperature	-30...70°C
		Antenna	Included. N.3 elements antenna Yagi. L=10 m cable
		Line-of-sight	7...10 km
		Weight	0.33 kg without antenna
	Communication port	RS232, RS485	
	TXRMA2131	160 MHz radio modem for PC or data logger connection, VHF-200 mW erp; includes dipole antenna. Receiving part connected with ELA105.	
		Main features	See TXCMA2132
		Antenna	Included Dipole antenna L=5 m cable
	ELA110	Connection cable radio/data logger	
	ELA105	Serial cable L=1.8 m. To be quoted to connect TXMA2131 to PC. Included in each package of M-Log and E-Log for data logger connection.	
	DEA260.1	230 Vca/12Vcc power supply for radio TXRMA2131 PC side	
	DEA605	Serial adapter null-modem 9M/9F	
	DEA606	Serial adapter null-modem 9M/9M	