



TBOXLT2

All-in-one Internet-ready RTU for automation and monitoring applications $% \left(1\right) =\left(1\right) \left(1\right) \left$

Designation		Industrial-grade remote terminal unit (RTU)							
Processor		32 bits ARM9, 400MHz							
Clock		Real-time clock with lithium battery backup							
Memory	32MB N	32MB NOR Flash 64MB DDR2 SDRAM 1MB SRAM with lithium battery backup							
	Industria	Industrial grade µSD card to 32GB (see our price list)							
Toggle switch	Run – St	Run – Stop – Reset							
Communication	Etherne	Ethernet (10/100), USB, Serial (RS-232/RS-485) and optional LTE/4G modem							
LT2-xxx-4W-2		12 bands LTE(4G), 7 bands UMTS/HSPA+ (3G), 4 bands GPRS/EDGE (2G)							
LT2-xxx-S	One add	One additional full RS232 serial port							
Power supply		DC powered, 9 to 30VDC, solar panel can be used Card consumption is typically 1.2W @ 24VDC							
Power backup	Embedo	Embedded battery charger, 13.8VDC temperature compensated For sealed lead acid batteries only; recommended model: 12V, 7Ah							
Models LT2 -	500	510	520	530	532	540	542	562	
Digital Inputs or Outputs								_	
(3DI can be counters)	0	10	10	16	16	16	16	24	
Analog Inputs	_			8	8	6	_		
(4-20mA or 0-10VDC)	0	0	4	0	ŏ	О	6	1	
Analog Outputs									
(4-20mA)	0	0	0	0	2	0	2	1	
Temperature Inputs		0		0	0	2		0	
(Pt1000)	0	0	0	O	0	2	2	0	
Connectors		Spring-cage terminal blocks for power, I/O, RS-232 and RS-485							
Operating System	Linux Ke	Linux Kernel with TBox Telecontrol stack							
Programming		Via TWinSoft Suite (including WebForm Studio 2.0 and Report Studio)							
Languages	Ladder l	Ladder logic, BASIC (IEC 61131-3) and optional C/C++ add-ons							
Alarm handling	Smart a	Smart alarm management with embedded calendar							
Data logging		Smart data logging: Sampling tables (periodic) + digital & analogue chronologies (event)							
SCADA compatible		TView, InTouch, iFix, Control Maestro, CITECT, Topkapi, Cube, Labview, Panorama,							
	Scope-X	Scope-X, VTScada							
Remote upload	Up to fir	Up to firmware level							
IT features	HTTP(S) SFTP	HTTP(S), FTP(S), SMTP(S) & POP ₃ (S), SNMP, IP forwarding, DynDNS, NTP, SSH/SCP/ SFTP							
Protocol support	Support	for over 40	protocols,	including Mo	odbus (mas	er/slave, RT	U/TCP/ASO	CII), DNP	
• •				UA, MQTT(
) and many r			,	,	
Security	Firewall	Firewall, 4 levels of authority, HTTP Session Authentication, SSL/TLS & X.509 Certificates, IEEE802.1X							
Size		150mm (H)x 83mm (D)x 29mm (W) / 5.91" x 3.27" x 1.4"							
Weight		515qr/18.17oz							
Mounting	0 0 0	DIN rail fixing							
Temperature		Storage: -40°C to +80°C / -40°F to 176°F							
			+70°C/-40°						
Humidity		o-95% non-condensing							
Altitude	Max. 40	Max. 4000m							
Material		Proprietary aluminium enclosure, Alodine coating against corrosion							
Approvals	CE, UL/C	CE, UL/CSA, FCC, IC, RCM, RED, Class I Div.2, IEC 60068-2-6/27/31/64							
MTBF	>1,000.0	>1,000,000 hours, statement available upon request							
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