



 **servelec technologies**

 **TBoxLT2**

All-in-one Internet-ready RTU
for automation and monitoring
applications.



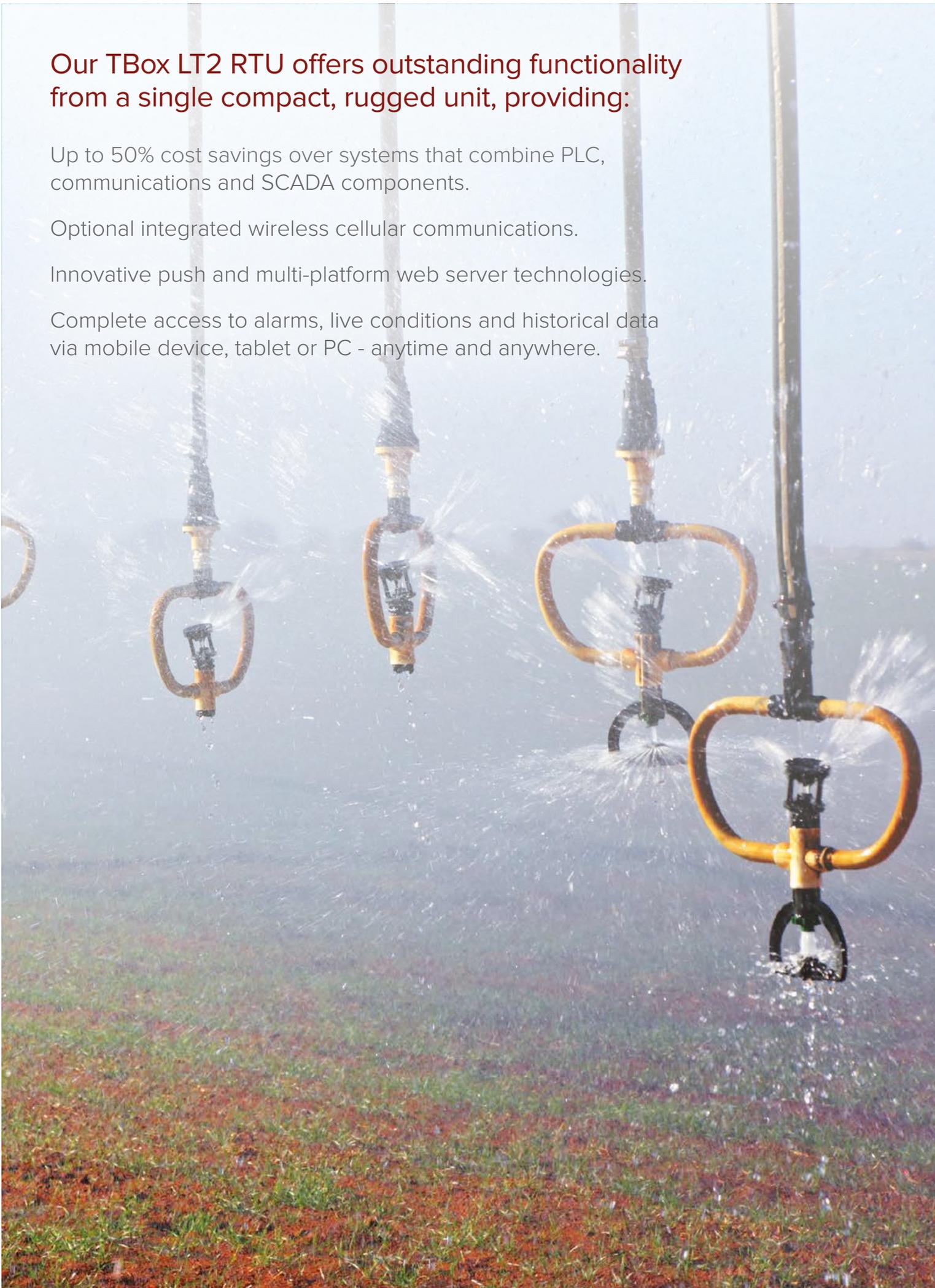
Our TBox LT2 RTU offers outstanding functionality from a single compact, rugged unit, providing:

Up to 50% cost savings over systems that combine PLC, communications and SCADA components.

Optional integrated wireless cellular communications.

Innovative push and multi-platform web server technologies.

Complete access to alarms, live conditions and historical data via mobile device, tablet or PC - anytime and anywhere.



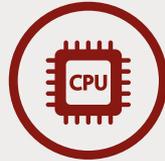
Servelec Technologies' TBox LT2 is a powerful self-contained remote telemetry unit with the versatility for almost any remote monitoring and control application. Thousands of TBox LT2 units are in operation across the globe controlling building systems at world-renowned landmarks, monitoring broadcast transmissions to millions of people and monitoring supply levels of essential commodities such as oil, gas and water.



Onboard web server technology, eliminating the need for complex SCADA software and costly HMI displays.



Integrated wireless communication providing complete access to alarms, live conditions and historical data on your mobile device.



Servelec's advanced Series 2 super-powerful processing engine.



A built-in cybersecurity suite with state-of-the-art authentication and encryption technology.

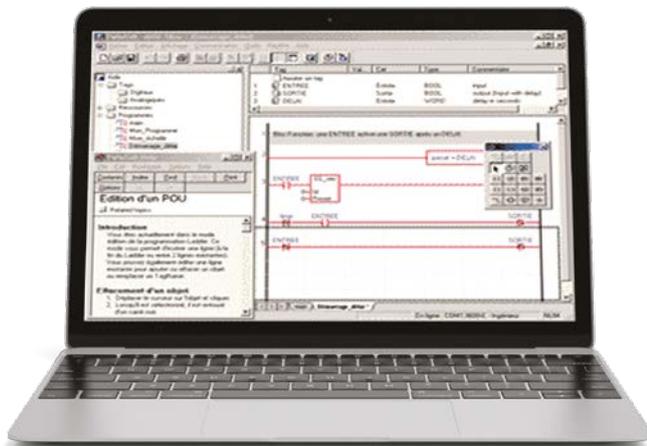


Push notifications by email, FTP and SMS and sophisticated alarm management



A rugged design which withstands the harshest environments and carries Class 1, Division 2 hazardous area approval.

Built within every TBox device is Servelec Technologies' 30 years of experience in the telemetry industry. TBox products can provide everything you need to create high-performing yet economical SCADA and control applications for critical functions. The TBox range of scalable products also includes state-of-the-art, user-centric software packages and additional hardware to transform your measurement and control aspirations into time and cost saving solutions.



Intuitive configuration

- TWinSoft

Designed with a Windows-style menu, TWinSoft is an easy-to-use and intuitive tool to configure TBox hardware. The wizard, simple dialogue boxes and predefined variables allow users to rapidly complete their applications and dynamically control communication, alarms, data logging and logic, locally or remotely, in complete security. TWinSoft also includes WebForm Studio which allows users to create dynamic embedded web pages without any coding knowledge.



Control and monitor your network on the move

- TConnect

TConnect is a secure software package that simplifies remote access, configuration, monitoring and control of all TBox hardware. With TConnect you can access any TBox hardware connected to a GSM/ cellular network without the need for a fixed and costly IP address or a dynamic DNS. TConnect takes care of registration automatically, removing the need to manage a VPN network.

TBox LT2 specifications

INPUTS & OUTPUTS

Removable I/O connectors	Removable spring-cage terminal blocks
Digital modules	16 digital inputs or outputs (3 DI can be counter inputs)
Analog modules	8 analog inputs, 2 analog outputs
Temperature modules	2 temperature inputs

PROCESSOR UNIT

Type	32-bit ARM9, 400MHz
Flash RAM	32MB NOR Flash
RAM	64MB DDR2 SDRAM
Real-time clock	Yes with battery backup
Battery backup	1MB SRAM with lithium battery backup
Event logging	Up to 100,000 events

COMMUNICATIONS SUPPORTED

Communication	Ethernet, USB, RS-232, RS-485, GSM 3G/LTE modem, full serial port
Total Ports / RTU	5
Master/slave	Yes
Peer-to-peer	No
Fallback levels	No
PC link	Yes
Protocol	SMTSPS IP forwarding DynDNS NTP Modbus DNP 3.0, IEC 60870-5 Siemens ISO-TCP Allen Bradley

CONFIGURATION

Local (PC/Laptop)	Yes
Remote via network	Yes
Programming	Via TWinSoft suite (including WebForm Studio and Report Studio)
Languages	Ladder logic, Basic, Web Services, advanced development via ADK

DEBUG

Local watchdog timer	Yes
Communication status	Yes
Configuration display	Yes
I/O status	Yes
Debug	Yes

DIAGNOSTICS

Instant alarm notification	Yes
Datalogging	Yes
Pre programmed	Yes
Trace log	Yes
Reports	Yes

POWER

DC supply	DC powered, 9 to 30V DC
Solar supply	Solar panel can be used
Power down modes	No
Battery backup	Yes
Battery size	7AH, nom. 12V DC
Battery charging option	Embedded battery charger, 13.8VDC temperature compensated

ENVIRONMENTAL

Ambient temperature	-40°C to +70°C / -40°F to +158°F
Storage temperature	Storage: -40°C to +80°C / -40°F to 176°F
Humidity	0-95% non-condensing

CYBER SECURITY

Authentication	Four level of authority, HTTP login, SSL/TLS, Certificates, IEEE802.1x
IP Security	Firewall (level 1, 2 and 3), HTTP login, HTTPS, SFTP, SMTSPS, VPN, SSH

DIMENSION

Width	29mm (1.4")
Height	150mm (5.91")
Depth	83mm (3.27")

CERTIFICATIONS

CE, UL/CSA, FCC, RCM, RED, Class I Div 2, IEC 60068-2/6/27/31/64



www.servelec-technologies.com

Servelec Technologies has a global network of offices and distributors.

To find your local office, visit www.servelec-group.com/technologies/contact