

TBOXTG2

Designed for digital gateway solutions

The TBox TG2 from Ovarro is designed to provide an Internet-ready telecontrol IoT/IIoT Gateway, and to control remote systems not directly connected to the central controller. Like the word telecontrol itself — where tele derives from remote, and control means to entrust order — the TBox TG2 can ensure safe, secure and reliable wireless automation and monitoring of fixed or mobile assets.

The self-contained system gives you everything you need to create high-performance yet economical automation and monitoring installations. It has been engineered to deliver accurate monitoring and control for demanding applications.



FEATURES & BENEFITS AT A GLANCE:



Web Server Technology

- Built-In web server technology eliminates the need for complex SCADA software and costly HMI displays.
- Connect with your phone, tablet or laptop with no software to download - perfect for technicians, troubleshooting, and more.



Cyber-Secure Platform

- All TBox devices and connected assets are Protected by a state-of-the-art cyber-security suite with multi-level authority, authentication, encryption, firewall, SSL/TLS & X.509 Certificates, IEEE802.1, , HTTPS, SMTPS SFTP/FTPS and VPN.



Smart Data Logging

- Special routines, configurable within the TBox TG2, only log the necessary events with their appropriate time stamps
- Reports in CSV, text or XML formats are quickly configured using Ovarro's Report Studio and are readily available via email attached files and FTP



Advanced Extensibility

- Equipped with an optional C/C++ advanced development kit (ADK) TBox has the connectivity and flexibility to meet the existing and future needs of your on premise, and cloud based system requirements including Azure and AWS based systems.



Alarm Management

- Built in Alarm functionality enables the TBox to send multimedia messaging, utilizing recipient groups, escalation rules and shift management
- Without waiting for a poll, the TBox initiates messages via email, FTP, and SMS to immediately notify users of alarms and the live condition of their remote assets
- Recipients can then acknowledge alarms and initiate logic operations from their smartphones or tablet devices



Connectivity and Communications

- The TBox Platform provides over 40 industrial communications protocols at no additional charge including:
 - ModBus TCP/IP, Modbus (RTU/ASCII), Ethernet/IP, Allen Bradley DF-1, Fisher-ROC (8), Siemens ISO-on-CTP
 - DNP3-S, IEC-61850, IEC-60870-5-101/104
 - OPC-UA, MQTT(S), and many more.
 - Many more...





CASE STUDY — QUICKER IDENTIFICATION OF LEAKS

La CILE, Compagnie Intercommunale Liégeoise des Eaux, is one Belgium’s largest water distribution systems. Over 500 water pump stations, water reservoirs and underground water resources cover more than 3,000 kilometres. Since the 1930s, the company has continuously upgraded the measurement technology used in its supervision and control network.

This time, La CILE wanted to implement automatic remote measurement and control of its entire network, and identify water leaks more quickly. After careful review, it chose Ovarro’s TBox technology and can now control hundreds of stations connected through a modem to a central computer. La CILE gains daily and real-time information about its network and automatic invoicing using real consumption data and can quickly discover and remediate leaks — all thanks to the TBox.



WHAT’S IN THE BOX?

The TBox TG2’s expansive historical data storage capacity means that it can log hundreds of thousands of time-stamped event-driven records and transmit data wirelessly, year after year.

WIRELESS LOGGER

The TBox TG2 combines the logic and control capability of an RTU with the ultra-low-power operation of a wireless logger. It removes the necessity for multiple devices for one application. The unit’s digital output and logic processing capabilities mean you can control your remote assets wirelessly. It can be controlled remotely via a network from a PC or laptop with programmable logic and is SCADA compatible including TView, Aveva, CiTech, ICONICS, Ignition, InTouch, iFix and more.

PROGRAMMING

Advanced All TBox devices are programmable with the same software suite, TWinSoft, which allows for standard applications to create matching site-specific requirements. It also allows for the creation of interactive web pages, where users will be able to monitor and control their site assets. Users can quickly complete their applications and dynamically control communication, alarms, data logging and logic, locally or remotely, in complete security.

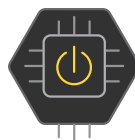
SUITABLE APPLICATIONS



BROADCAST



OIL & GAS



POWER



TRANSPORT



WATER

REPRESENTED AND DISTRIBUTED BY:



<https://pcdsales.com>

Colorado Corporate Office
Rocky Mountain Region
Direct: 303-741-4264
email: sales@pcdsales.com

Dallas / Fort Worth Field Office
North Texas Region
Direct: 214-613-5011
email: txsales@pcdsales.com

Houston Field Office
South Texas Region
Direct: 832-418-7237
email: txsales@pcdsales.com

