TTVN10
DATA-LOGGER

The Envilink TTVN10 has been designed for simple and cost effective remote data collection application and doesn't provide routing capability.

SECURE VPN REMOTE ACCESS

The TTVN10 datalogger embeds VPN capabilities and compatibility with Talk2M and eFive. This allows highly secure remote access for remote monitoring, troubleshooting and application tuning. It enables PLC remote maintenance, remote IP camera, remote HMI monitoring, etc.

DATA ACQUISITION

The TTVN10 is able to perform local data acquisition using the serial or Ethernet port. The data acquisition process is built around a tagged databasein which each tag is associated with an I/O server. The TTVN10 datalogger is able to perform data acquisition with the following protocols: Modbus RTU, Modbus TCP, Uni-Telway, EtherNet/IP, DF1, FINS TCP, FINS Hostlink, ISO TCP, PPI, MPI, Profibus, Mistubishi FX, Hitachi EH, ASCII.

ALARM MANAGEMENT AND NOTIFICATION

The TTVN10 Datalogger provides full support for alarm triggering, acknowledgment, status and traceability. Alarm thresholds (4x) and parameters (activation delay, deadbang value) can be set on every tagname. The complete alarm cycle (ALM, RTN-return to Normal, ACKnowledgment, END) is traced and available for monitoring and analysis. Alarm notification can be performed by email, SMS, SNMP trap and/or put FTP.

① **DUAL SERIAL PORTS**
Connect any RS232/485/422 devices for remote access applications or data acquisition

② **ETHERNET WAN**
WAN Ethernet access to connect your industrial assets to the Internet.

③ **3G+HSUPA**
Pentaband modem for worldwide connectivity using a 2G, 3G or 3G+ cellular network with up to 7.3 Mb/sec download and 2 Mb/sec upload.

④ **WIFI**
802.11 b,g,n WiFi client for WAN access to Internet.

⑤ **PSTN**
Industrial PSTN modem V92 (56.000 bps) for landlines connections.

⑥ **I/O**
The I/O card with 8x DI, 4x AI and 2x DO for a wide variety of applications where data needs to be transferred from one remote location to a central server application

SPECIFICATIONS

Data Acquisition Protocols	OPC UA, MODBUS/RTU, MODBUS/TCP, Unitelway, DF1, PPI, MPI (S7), PROFIBUS (S7), FINS Hostlink, FINS TCP, EtherNet/IP™, ISO TCP, Mitsubishi FX, Mitsubishi Melsec, Hitachi EH, ASCII, BACnet/IP.
Data Publishing Protocols	OPC UA, Modbus, MQTT, SNMP, HTTPs
Alarms	Alarms notification by email, SMS, FTP put and/or SNMP traps. 4 Thresholds : low, lowlow, high, highhigh + deadband and activation delay.
Datalogging	Internal database for data logging (real-time logging and historical logging up to 1,000,000 timestamps). Historical data can be exported to DataMailbox or transferred by FTP or email
SD card reader	A/ for easy commissioning (firmware upgrade, backup, Talk2M, registration) B/for Extended User Memory expansion up to 64 MB
VPN Tunnelling	Open VPN either through UDP 1194 or TCP 443 (HTTPs port)
VPN Security	VPN sessions are end-to-end encrypted using SSL/TLS protocol. Communications between the remote user and the eWON are fully encrypted using the SSL/TLS protocol, thereby ensuring data authenticity, integrity & confidentiality.
Device Connect	Connect to parameter analyzer: COD, TSS, pH, Temperature, Ammonium, Color, Flow, Auto sampler,...
Control	Control pump relay contacts, control alarm lights, control automatic sampling devices
Input	6 x Analog 4-20mA
Cổng kết nối	Ethernet/ Modbus TCP master/slave, RS485/RS232 Modbus RTU
Display	4.3 inch LCD, 480x272 pixels resolution, touch screen (Can be expanded to 7 inch, 1024x600 pixels resolution, touch screen – Contact manufacturer)
Software/Web	Multitasking software helps users interact without interrupting the data collection process (Contact the manufacturer) Device settings, display (Graphical reports, text, data listing by Cycle, daily, monthly, yearly), export data files.
Power supply	12 – 24 VDC
Environmental	Operating temperature: 0 oC – 50oC Humidity: 20% - 80% RH
Housing	owder coated steel
Dimensions	H 180 x W 371mm
Certifications	CE, cURus, FCC