TritonEdge

TRIPLE POINT

The Triton Edge Messenger is a data collection device designed to connect to various data points with its combination of hardware, software and ingenious design. It is suitable for deployment in the field and can scale from a single device to a network of devices. Below are the detailed specifications of the Triton Edge Messenger:

Connectivity

Protocol	Description
4-20ma	Analog current loop commonly used for process control systems
RS485 Serial	Serial communication protocol used in many industrial systems
Modbus	Open communication protocol commonly used in industrial automation systems
MQTT	Lightweight messaging protocol suitable for IoT and M2M communication
DNP3	Communications protocol used in electric and water utilities
Ethernet IP	Communication protocol commonly used in industrial control systems
CIP	Common Industrial Protocol used in industrial automation
OPCUA	Standard communication protocol for industrial automation
S7	Communication protocol used in Siemens automation systems
Websockets	Computer communications protocol used in web applications

Features

Feature	Description
Tag Limits	No tag limits, unlimited device connections and tags
Analytics	Built-in analytics and calculations for powerful data aggregation and advanced computations
Report By Exception	Publish/subscribe model and report by exception capabilities for high frequency data polling and limiting bandwidth in network constrained environments
Security	Outbound, encrypted and password-protected connections for robust secure communications to the Titan Broker
Easy Configuration	Instant propagation of new tags throughout the entire system
Built-in Web Server	View the real-time status of active polled tags for data validation and troubleshooting

Hardware

Detail	Description
Ports	RJ45 Gigabit x1, RS485 x2, CAN x1, USB x3, HDMI x1, SD, SIM, M.2 B KEY / Mini-PCIe
Storage	eMMC 8, 16, 32 GB. SD Based on Card size
RAM	1,2,4,8 GB
CPU	Quad core, 1.5GHZ ARM
Power	5V or 7~36V