Zen IoT G3
Edge Processing Interface

Data visibility for better machine performance

The Zen IoT G3 collates signals from industrial equipment for processing and publishing to the Cloud. Designed for monitoring small machines and automation systems, it enables data visibility for determining machine health or process efficiency. Industrial grade digital inputs, relay contacts and analog process input channels easily link process sensor inputs and standalone legacy automation such as PLCs, variable frequency drives and other discrete control systems to IoT cloud services.

Direct wireless interface to field operating data

The Zen IoT G3 converts, conditions and processes analog signals directly to wireless Wi-Fi (802.11), and the built-in cloud interface sends data from your machine directly to the Cloud. A 4G cellular antenna (eMTC) LTE Cat-M1 can also be added for remote applications.

CE   E2180

Easily integrates with your existing automation equipment

The Zen IoT G3 natively supports MQTT Industrial IoT communications protocol. Modbus RTU master/slave communication port directly interfaces to metering and control automation. The unit's onboard logic engine allows customization tailored to specific measurement and monitoring requirements.

Extra cloud interface security and Store and Forward data integrity

The Zen IoT G3 provides peace of mind with Transport Layer Security (TLS 1.2) protocol. In the event of a network communications failure the Zen IoT G3 Store and Forward function buffers data locally, forwarding to the cloud server once network communications are reinstated, securely monitoring and recording with total data integrity.

Base Features

Included by DEFAULT

- Define Cloud Services connection
- MQTT with TLS 1.2
- Data record store and forward record buffer
- RTC record data time stamp at origin
- Application logic & math functions
- PC configuration, USB interface
- Wireless Wi-Fi (802.11)
- 2x 4–20mA inputs (non-isolated)

- 4x Digital inputs
- 3x Relay outputs
- 1x Auxiliary power output
- RS485 Modbus RTU master/slave
- Local display (RS485) interface port
- AC mains or 24V low power operation