Secure Process Intelligence℠

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EdgeConnect®

4G Edge Gateway

The EdgeConnect data acquisition gateway provides a serial and ethernet port to communicate with various industrial devices with build in protocol drivers for Modbus, BACnet, OPCUA, Allen-Bradley and Siemens.
Unlike a standard 4G router the Edge Connect collects data from the industrial device and transmits small packets to the cloud over cellular 4G. As we only transmit data at set interval or by report by exception, this **consumes very little bandwidth** allowing our customers to save significantly on connectivity charges.
The gateway also supports offline data storage in the event of communication outages. When the connection is restored this data will be forwarded to the cloud.

● SPI Cloud Portal Ready

The EdgeConnect is shipped fully configured, ready to read and transmit data from your industrial device to SPI's Cloud Portal for data visualization, historical trending, reporting and email/txt alerts.

● Private IP address

The gateway is not reachable from the internet as it is in a closed private network.

● Secure and Encrypted

Data is encrypted and transmitted to our cloud platform over 2-way TLS/SSL connections.

● 2-Way Communications

Each data point we collect from the remote device can be set as read-only or read-write, allowing the user to adjust setpoint and control equipment remotely.
Secure Transmition.

● Remote Support

The user can also open a secure tunnel to allow for remote PLC troubleshooting / programming.

Interface:
RS-232 / RS-485 serial port
Ethernet port
Communication Drivers:
Modbus-TCP, BACnet, OPCUA, Siemens, Allen-Bradley
Serial Drivers: Modbus-RTU, Siemens S7-200 PPI, Allen-Bradley DF1
Ethernet Drivers: Siemens S7-200 to S7-1500, Mitsubishi Fx, Allen-Bradley AB-NET, Ethernet/IP, Omron FINS
Hardware Specifications:
ARM Embedded Linux
IP51 8.5mm x 96mm x 27mm
Din-rail mount or flush mount
DC9V~48V, support anti-reverse, surge protection, over-current protection
Current Draw ~150mA @ 12v
-40 to +85 deg C
4G LTE ATT or Verizon
MTBF 376,000 hrs

SPI Cloud Portal