

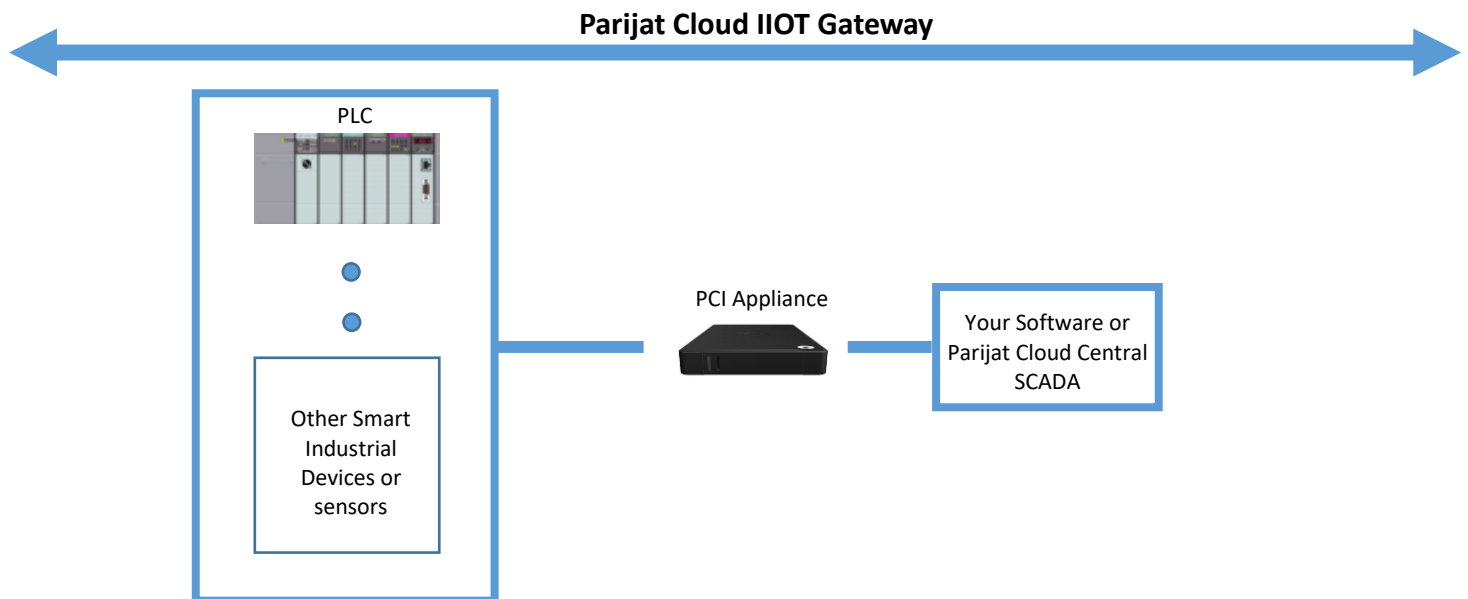


Parijat Cloud IIoT Field Gateway – NGS-031

Parijat Cloud Field IIoT Gateway or NGS-031 provides a powerful & flexible link between any field sensors & or devices to cloud & transforms them into a modern day IIoT devices, maintaining existing infrastructure. With powerful control and automation features, MQTT, AMQP, LORA, HTTPS support, NGS-031 keeps a close watch over enterprise resources & operations. It enhances productivity with business routines automation and provides extra security by reacting to abnormal events, eliminating any noise or normal operations data. It also facilitates programming through the cloud, keeping processing local, reducing load from the servers with the next generation IIoT architecture. Besides the embedded I/O capability, it allows creating a network of devices, by adding open commodity I/O expansions to any quantity & types & support multiprotocol to multi cloud solutions. White listing

Application Examples

- Boilers, refrigerators, engines monitoring and control
- Water treatment system monitoring & control
- Oil & Gas production, midstream, chemicals
- Storage, terminals & inventory movement
- Temperature, humidity, CO2 monitoring & control
- Transportation
- Energy consumption, Reactive energy reduction
- AC/DC – UPS Batteries Management
- HVAC, Temperature and Humidity control
- Electricity transmission & generation – both conventional & renewable energy management
- Water quality monitoring



Features

- Replace or supplant auto dialers
- Alerts for abnormal events and maintenance optimization
- Cost center management (by each production areas)
- Real-time information (by plant; region; country; worldwide)
- Production process machines monitoring and control
- Can also interface with existing SCADA systems via various technologies.
- Advanced 256 byte SSL security supported exceeding requirements of most agencies.
- Use any cell service provider or any communications network hookup device that plugs into a USB port or Ethernet or serial port. Use GSM, CDMA, LORA or any other standard communications infrastructure.
- Personalized identification touch authentication.
- Streaming data, polling or exception event based unsolicited data, store & forward capability
- Connect with Microsoft Azure IoT Hub, Amazon Web services (AWS) or your cloud apps
- Support for Oracle IIoT, RESTful API as GET, POST or UPDATE.
- Data conditioning or any customization may be done either at the field end, central location or both.
- Any number & combination of field I/O can be appended. Base system has 8 DI, 8 relay.
- All the hardware/software used is off the shelf commodity products.

Options (Please contact PCI for details):

Additional field I/O
PLC make/model of your choice
Battery backup power
Solar power
Enclosure type & options like canopy, mounting
Special Area Classification
Cloud connection interface or services other than basic
Complete end to end solutions & implementation services are also available.

PLCs Supported

Rockwell : MicroLogix, ControlLogix, CompactLogix, PLC-5, SLC5/05, EtherNet/IP.
Modbus slave Devices: MBTCP, serial. All MB flavors supported
Any other PLCs or protocols can also be supported. Contact PCI for details

4/22/2017 Wellaware, Raven, GE MDS, Energycloud, mission communications, buspro, hilsher, Sierra wireless, Thingworx, Meshify

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