IDX Nexus: Remote Asset Monitoring Solution

Real-time monitoring

Tracking & Reporting

Increase Productivity

The IDX Nexus is a robust and versatile, next-generation industrial communication hub that provides real-time data communications, data logging and alarm functions.

Efficient Data Management

With *store-and-forward buffering*, your important data does not get lost. The integrated powerful data compression tool optimises storage and bandwidth while data encryption keeps your information secure on the IDX Nexus Cloud.

Customised Device Integration

The Nexus Edge Data Hub can be fully configured to connect to various site assets, control systems and devices. Setup is simple allowing multiple simultaneous configurations and management remotely.

Product Benefits

- Check what's happening on your plant
- Identify potential data insights
- Preventative maintenance
- Conditional monitoring
- Realistic statistics and accurate readings
- Integrate disparate systems effortlessly
- Instant notifications of faults and issues
- Automate and streamline monotonous processes
- Central apex for all 3rd party telemetry, IoT systems and solutions implemented on site
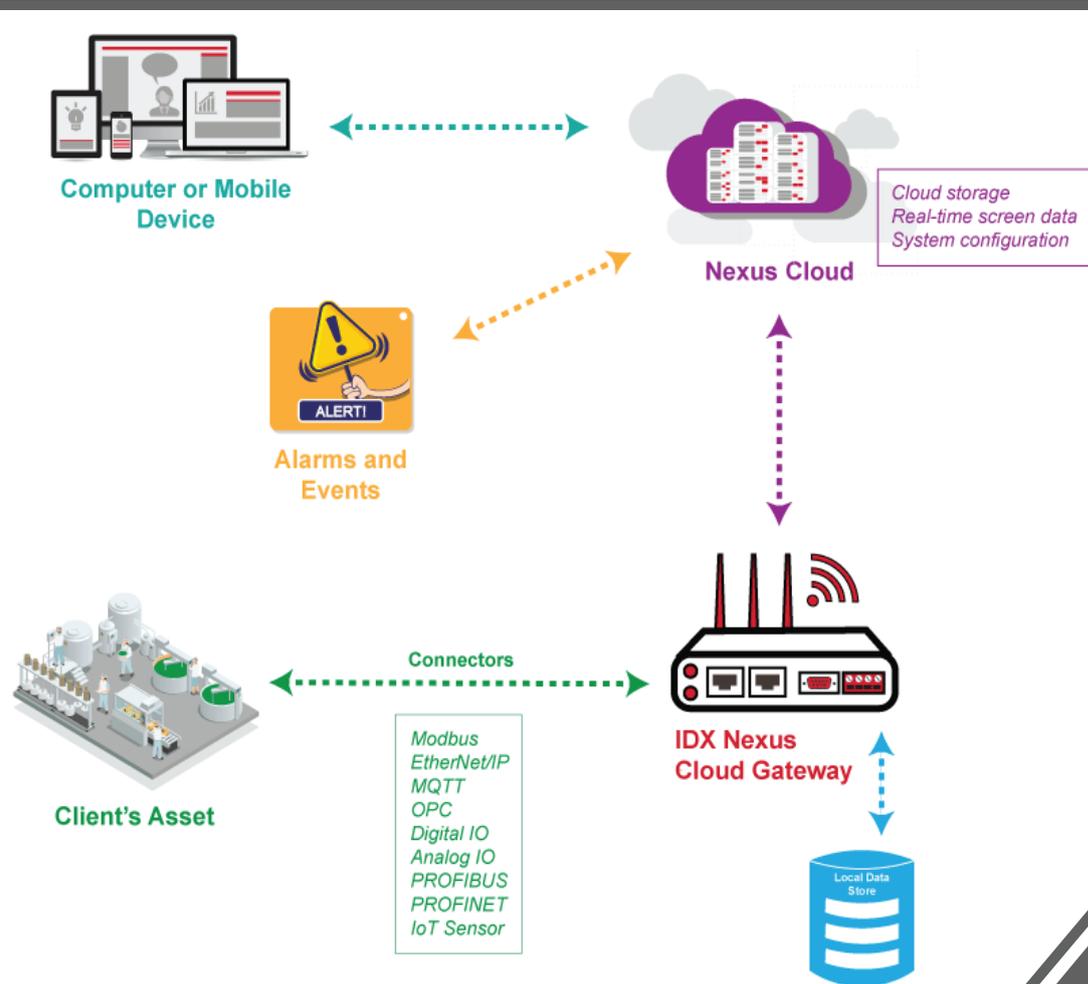
Real-time data from your assets, on any device, anytime, and anywhere!

Simplistic Accurate Reporting

You have complete control over your data, there are several reporting options readily available that is easy to understand. Reports can be customised with the include data visualisation tools to suit your requirements and assets.

Advanced Data Buffer

Through the reliable server link, live data is forwarded immediately, and should the connection break the remote device will log the data locally. Once connection is re-established Nexus will backfill data in the server.

Computer or Mobile Device

Alarms and Events

ALERT!

Nexus Cloud

Cloud storage
Real-time screen data
System configuration

Connectors

Client's Asset

Modbus
EtherNet/IP
MQTT
OPC
Digital IO
Analog IO
PROFIBUS
PROFINET
IoT Sensor

IDX Nexus Cloud Gateway

Local Data Store

Nexus Connectors

- Analog or digital data
- OPC DA
- Modbus RTU/TCP
- SQL
- PROFIBUS
- PROFINET
- Ethernet/IP
- TCP/IP
- MQTT
- AMQP
- J1939
- CAN

Nexus Connectivity

- WIFI/Bluetooth
- 2G/3G/4G
- LORA

IDX Nexus Cloud

With an integrated data historian the Nexus Cloud Server is responsible for data logging & trending.

Configuration of the entire system is also completed here through a remote device configuration tool and a server connector configuration matrix.

The IDX Nexus Cloud Server can be hosted on any Windows server, including cloud based virtual machines, or localised site servers.

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