



DIGITAL OIL WELL DATA MONITORING

Basic Management Capabilities at a Fraction of the Cost



SE300 Series Switches with Remote Monitoring and Diagnostics

Installing fully managed switches all along a pipeline can be prohibitively expensive. One of our customers realized that their application didn't actually require all of those management capabilities. Instead, they installed Advantech B+B SmartWorx SE305-T smart switches, which support Modbus/TCP to communicate with SCADA software and SNMP to communicate with NMS (Networking Management System). Although they're not much more expensive than an unmanaged switch, SE300 series smart switches provide basic management capabilities. They give control engineers full read control for every port on the switch, allowing for remote troubleshooting and diagnostics. If a problem arises, your field technicians won't have to go hunting for the cause. You'll know exactly where the problem lies before the truck even starts to roll.

Essential Management Features

- SE300 switches provide SNMP and Modbus/TCP management capabilities.

Intelligent Inside

- IEEE 802.1p QoS (Zero Touch)
- Jumbo frame support -- 9,216 bytes
- Free Management Tool - IView²
- Loop Detection
- Full Gigabit with PoE/PoE+ options
- Fully Compatible with the Most Popular SCADA/HMI Software
- IP address Assignment - allows for static IP address or address that is discoverable via DHCP

HMI/SCADA Software Integration

- System Information
- Device Status/IP Address
- Port Information
- Port Status/Port Speed
- Packet Information
- Tx/Rx Error Packets

Dual Power Inputs - 8.4 to 52.8 VDC

- Overload Current Protection
- Power-fail Relay

Designed and Built for Hazardous Environments

- Wide Temperature Design, -40 to 75C
- MTBF: Over 590 years
- Radiated/Conducted Noise Protection, EMC Level 3



B+B SMARTWORX

Powered by

ADVANTECH

advantech-bb.com



B+B SMARTWORX

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**Ethernet Green®, IEEE802.3az
Energy-Efficient Ethernet**

- eWorx Switches cut power usage by up to 60%, reducing total cost of ownership
- Automatically powers down ports that have no link
- Budgets power output for different Ethernet cable lengths

Wide Variety of Port Configurations

- 5 ports, up to 18 ports
- 10/100Mbps & Gigabit models
- Fiber module options (MM, SM)
- Fiber connector options (SC, LC, ST)

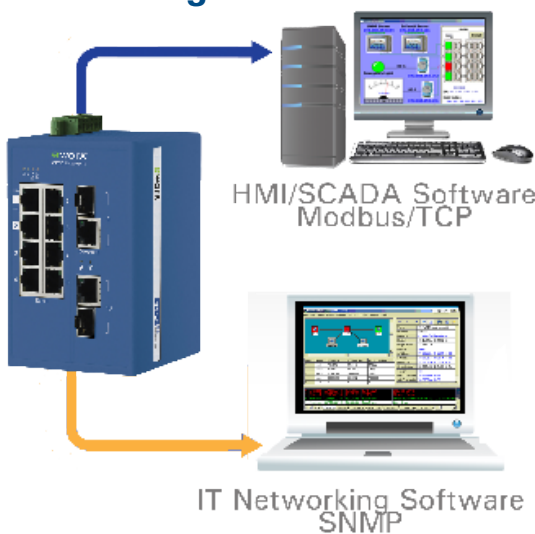
**Industrial Certifications Tailored to
Meet the Needs of Your Application**

- IECEx
- UL508
- Class I, Division 2 Group A,B,C, D
- ATEX Zone 2

Models with PoE/PoE+ Option

- IEEE802.3af/at compliant
- Each port, up to 30 W
- PoE power budget, Max. 60 W
- Smart PoE management

IT/OT Convergence



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