



MONITORING WIND TURBINE EFFICIENCY

Basic Management Capabilities at a Fraction of the Cost

SE300 Series Switches with Remote Monitoring and Diagnostics

Installing fully managed switches throughout an entire wind farm 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 75°C
- MTBF: Over 590 years
- Radiated/Conducted noise protection, EMC Level 3



B+B SMARTWORX

Powered by

ADVANTECH

advantech-bb.com



B+B SMARTWORX

Powered by **ADVANTECH**



**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)

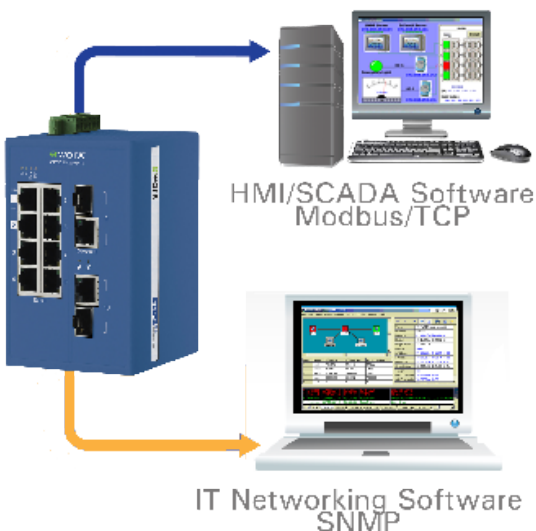
Models with PoE/PoE+ Option

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

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

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

IT/OT Convergence



Worldwide Headquarters

ADVANTECH
No.1, Alley20, Lane26, Rueiguang Road
Neihu District, Taipei 11491
Taiwan, R.O.C
Phone: 0800-777-111
www.advantech.com

Corporate Headquarters

707 Dayton Road
Ottawa, IL 61350 USA
Phone: 1-815-433-5100
Fax: 1-815-433-5109
orders@advantech-bb.com
www.advantech-bb.com

Middle East, UAE, Africa

Alaa Dalghan, General Manager
adalghan@advantech-bb.com
Mobile: +971 50 943 65 62
AG Silver Tower, JLT, P.O. Box 48777
Dubai, UAE

European Headquarters

Oranmore, Co. Galway, Ireland
Phone: +353 91 792444
Fax: +353 91 792445
eSales@advantech-bb.com

Cellular Product Group

Sokolská 71, 562 04 Ústí nad Orlicí III.
Czech Republic
Phone: +420 465 521 020
Fax: +420 464 647 299
GSM: +420 603 872 287
cellularsales@advantech-bb.com

Latin America, Caribbean

Fanny Scargle
fscargle@www.advantech-bb.com
Phone: 1-727-797-0300
Cell: 1-727-480-5920 Skype: fscargle

OEM & Product Modification

Phone: 815-433-5222
Fax: 815-433-5104
Attn: Custom Dept.
custom@advantech-bb.com
Custom Quote Request Form:
http://advantech-bb.com/custom

www.advantech-bb.com