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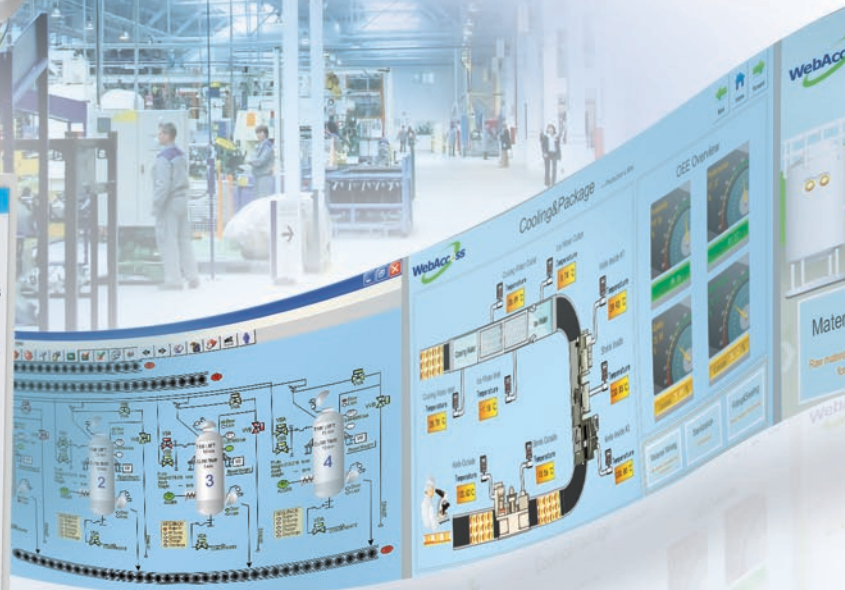


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Advantech ProView Series Ethernet Switches

Real-Time Networking Status Management

- ProView Series
- Key Features
- Value Proposition
- Applications



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Converging Process Control and IT Networking



ProView Makes Changes

Advantech ProView Ethernet Switch is a SCADA manageable switches which are the convergence switches for process control and IT networking management. The ProView range of switches uses Modbus/TCP to communicate with the SCADA software and SNMP to communicate with the NMS (Networking Management System) at the same time, thereby allowing full read control over the devices either for control engineers or for IT.

Control Engineer



SNMP(MIB) & Modbus/TCP in one box



Automation



IT Engineer

ProView Makes Changes



NMS

IT Networking

Compatible 1st Tier Management Software!



Key Features of ProView Series Industrial Ethernet Switch

Smart features make “Easy Troubleshooting”

- Front LED indicators
- Power failure alarm
- Loop Detection mechanism

Port-based QoS Deterministic Ethernet off-the-shelf

- The Proview “VIP” port prioritizes time-intensive network demands such as Video streaming and I/O control packets.
- 10/100Mbps
- Gigabit Ethernet
- Loop Detection
- Jumbo Frame: 9,216 Byte

Dual Power Inputs (8.4 to 52.8 V_{DC})

- Protective current Overload
- Power Fail Alarm

Industrial Reliability Commitment

- IP30 design (Metal chassis)
- Operating Temp: -40 to 75°C*
- EMC Level3 resistance
- Industrial Certification: CE/FCC/
UL508/C1D2/ATEX

IEEE802.3az, Energy Efficient Ethernet

- Saving up to 60%-Off power consumption



Real-Time Networking Status Management

Machine Tool

Motor Control

Food & Beverage

Vision Inspection

Package Machinery

Measurement
System

ProView's Value Proposition and Differentiation

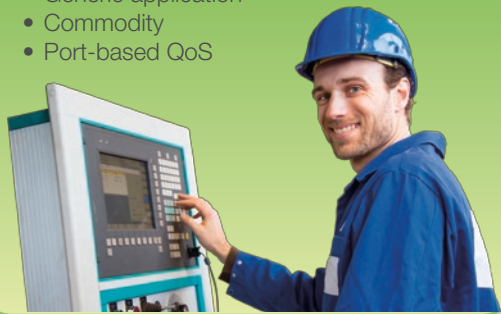
Exclusive Features

Unmanaged Switch

- Plug & Play
- Easy to install
- Cost effective
- Generic application
- Commodity

Proview Switch

- Plug & Play
- Easy to install
- Cost effective
- Generic application
- Commodity
- Port-based QoS
- Modbus/SNMP
- Loop Detection
- IEEE802.3az



Managed Switch

- Centralized Management
- X-Ring Redundancy
- VLAN
- IGMP Multicast control
- Modbus/SNMP enabled
- Expensive
- Web/CLI interface
- 802.1x

Manageable

Visible

View and Manage Your Factory Floor !

LOOP
Detection

Energy
Efficient Ethernet



802.3az

Wide Temp.



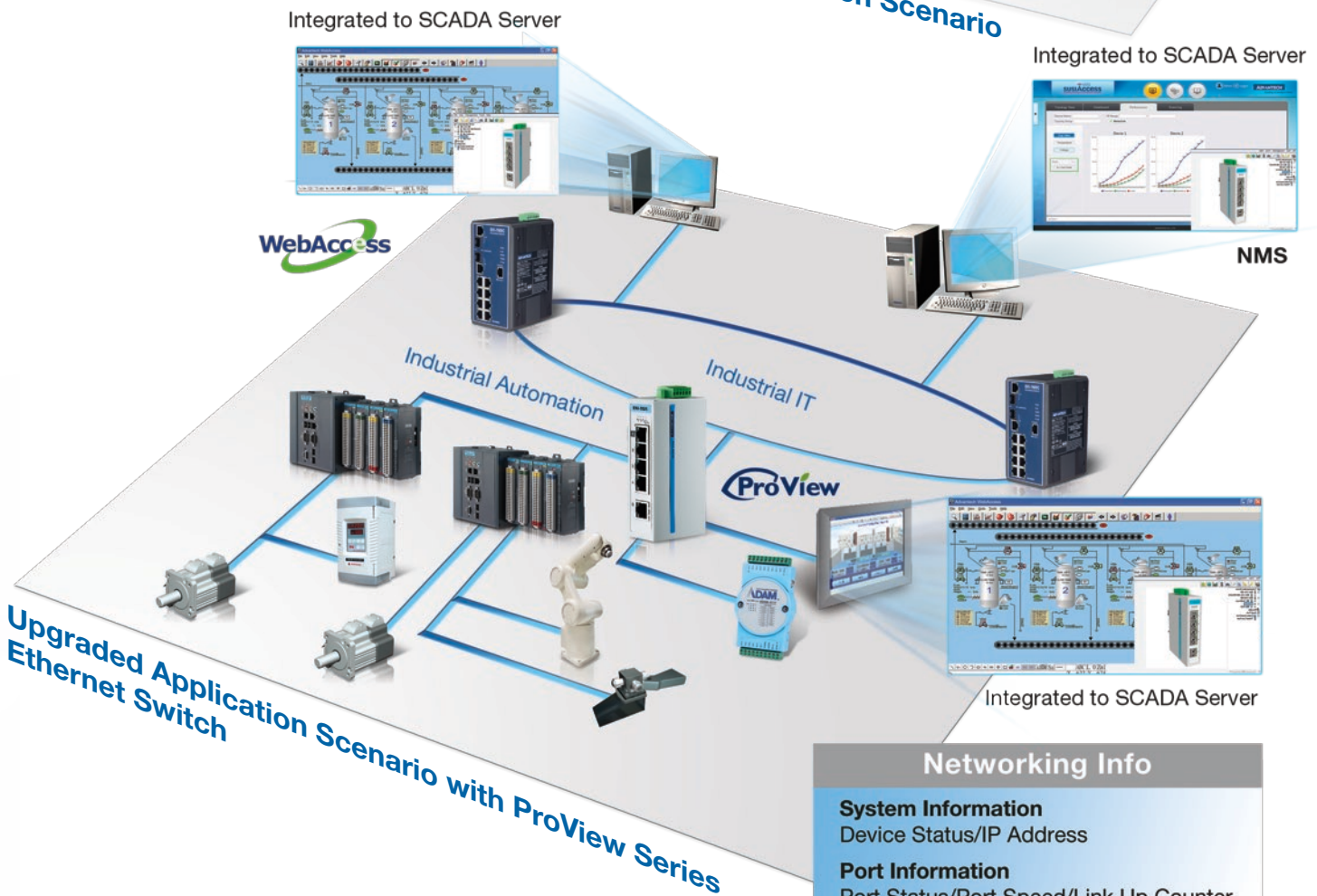
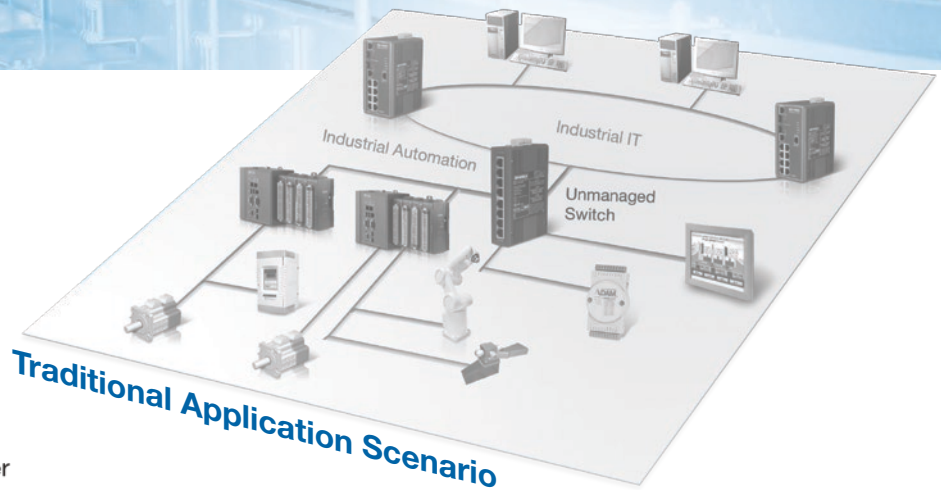
Modbus/TCP
and SNMP



5
Year
Warranty

ProView Application Scenarios

Tradition Application Scenario v.s. Upgraded Application Scenario with ProView Series Switches



Networking Info

System Information

Device Status/IP Address

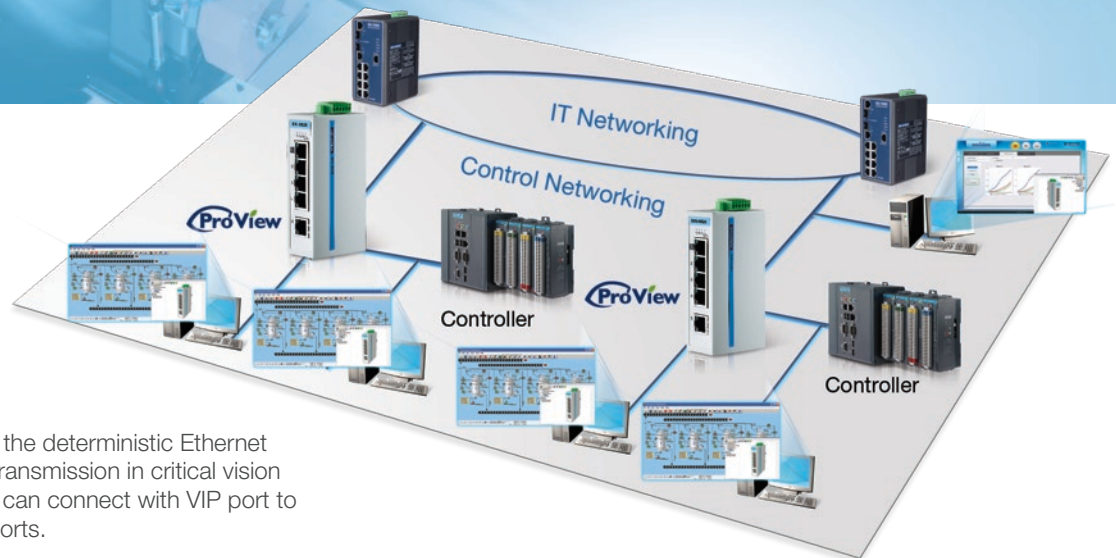
Port Information

Port Status/Port Speed/Link Up Counter

Packet Information

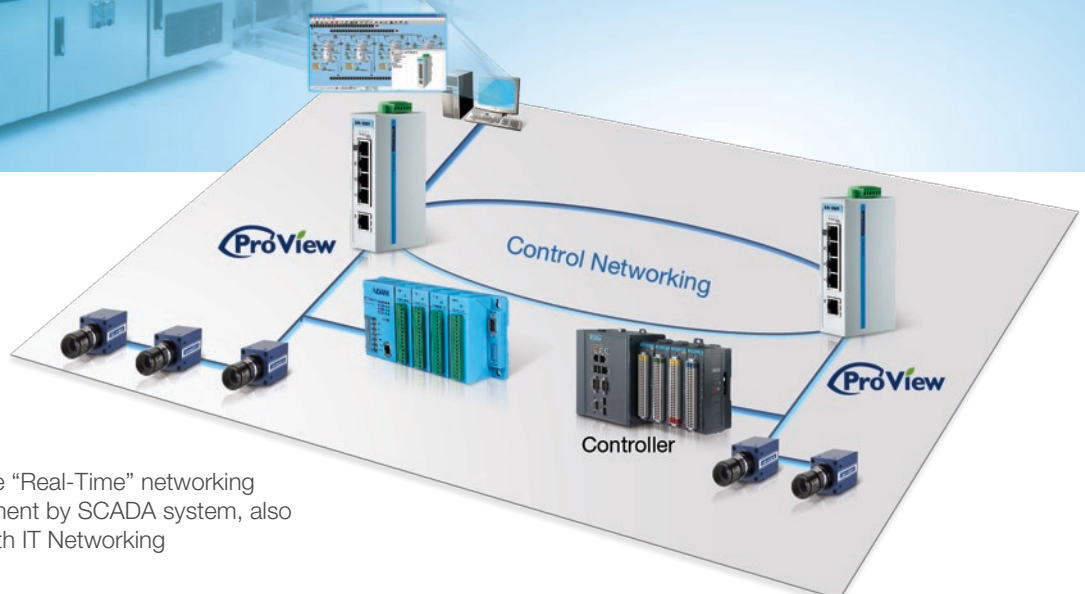
Tx/Rx Error Packets Counter

Measurement System



ProView Ethernet switches offer the deterministic Ethernet to ensure the high priority data transmission in critical vision inspection. The safety controller can connect with VIP port to get the high priority than other ports.

Food Package Machinery



ProView Ethernet switches offer the "Real-Time" networking status for monitoring and management by SCADA system, also converge of Control Networking with IT Networking