ACCUTECH 350111

5-Port 10/100 Ethernet Switch | Centralized Wander Management Infrastructure Hub

PRODUCT OVERVIEW

The Accutech 350111 5-Port 10/100 Ethernet Switch serves as a core hardware intelligence component within advanced wandering management and resident safety infrastructures. It is engineered to bridge the gap between physical perimeter sensors deployed at facility exits and localized control monitoring stations. By aggregating and processing automated security credentials and high-speed data telemetry from protected boundaries, it eliminates the operational complexity of managing individual entry points. This centralized topology ensures that large-scale senior care, nursing home, memory care, and hospital facilities maintain instantaneous, real-time situational awareness.

Deployed directly between peripheral zone controllers, transmitter wands, door controllers, and central administration computers running management software, the 350111 module channels complex serial data traffic. This proactive routing method eliminates communication bottlenecks and guarantees that complex localized actions—such as authorized staff bypass, secure visitor access, and localized security overrides—are instantly synchronized with perimeter sensors. This active tracking processing ensures absolute protection across expansive hospital wings, long care facility corridors, and high-risk resident zones by establishing an uncompressed, bidirectional data pipeline for system programming, real-time diagnostics, and unified event logging.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall supply, install, and configure the Accutech 350111 5-Port 10/100 Ethernet Switch to act as the primary data interface bridging the peripheral exit network and the central management workstation. The hardware must support bidirectional communication to synchronize active bypass states and real-time controller logs directly with the host computer software.
- **Healthcare Environment Protection:** The data translation assembly shall incorporate a durable, commercial-grade structural design explicitly engineered to sustain continuous clinical exposure, operating reliably across standard high-traffic healthcare IT environments.
- **Access and Control: T**he device's physical data interface shall feature automated data direction control paths to allow authorized clinical staff, security personnel, and system administrators to issue network-wide bypass commands, hardware configuration adjustments, and alarm resets from the central software console.

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- **Enclosure and Durability:** The interface electronic component assembly shall be protected inside a compact, ruggedized commercial-grade housing optimized for inline placement or clean mounting behind administrative terminal workstations.
- **System Interoperability:** The interface architecture must feature validated native compatibility for direct connection with Accutech wander management components, ensuring non-latent 10/100 Ethernet signaling across the facility's dedicated security network.

SYSTEM COMPONENTS

The 350111 5-Port 10/100 Ethernet Switch incorporates several fundamental integrated sub-modules and physical connection layouts:

- **High-Speed Network Processing Chipset:** The primary internal multi-layer integrated circuit board dedicated to handling automated speed sensing and bidirectional network transmission protocols.
- **Industrial RJ45 Ethernet Interface Ports:** Five ruggedized, low-resistance mechanical network communication connection ports configured to accept standard twisted-pair infrastructure lines from the system network.
- **Automatic MDI/MDI-X Crossover Matrix:** Internal intelligent routing circuitry designed to automatically adjust for straight-through or crossover wiring types without manual toggle controls.
- **Transient Voltage & Over-Current Protection Array:** Internal safety circuitry engineered to isolate delicate computing components from data line surges, grounding anomalies, and electrostatic discharge (ESD).
- **Vandal-Resistant Enclosure Matrix:** A lightweight, commercial-grade impact-resistant shell providing absolute physical protection for interior circuits within busy administrative workspaces.

FEATURES AND BENEFITS

- **Centralized Boundary Awareness:** Consolidates multiple peripheral controller channels down to a single compact network connection on the administration server, greatly simplifying hardware footprints and reducing response times for clinical teams.
- **Seamless Protocol Conversion:** Automatically coordinates complex industrial 10/100 Mbps data packets across standard network architectures without packet loss or communication delays.
- **Plug-and-Play Convenience:** Simplifies setup and routine deployment tasks by functioning immediately out of the box without requiring complex terminal driver installations or software configurations.
- **Diagnostic Status Indicators:** Features integrated link and activity LED status lights to provide clear visual feedback on data transmission and reception, streamlining troubleshooting tasks for facility maintenance teams.
- **Validated Platform Interoperability:** Engineered for native plug-and-play compatibility with Accutech security networks and software suites, ensuring a unified approach to facility patient protection.

PRODUCT SPECIFICATION

Manufacturer	Accutech Healthcare Security Solutions
Product Model Name	5-Port 10/100 Ethernet Switch
Part Number / SKU	350111
Component Technology Type	Unmanaged Industrial Data Network Protocol Switch
Device Port Count	5 Independent Ethernet Network Communication Ports

Physical Interface Connector	RJ45 Cat5e/Cat6 Jack Interconnects
Supported Transmission Speeds	10 Mbps and 100 Mbps Fast Ethernet Auto-Negotiation
Visual Diagnostic Indicators	Dedicated LED Array per Port for Link Status and Activity Verification
Wander System Compatibility	Accutech Wander Management System Infrastructure Hardware
Chassis Construction	High-Impact, Commercial-Grade Structural Housing / Compact Shell Matrix
Primary Target Environments	Central IT Closets, Nurses' Stations, Security

COMPLIANCE AND CERTIFICATION

- **FCC Status:** Designed and certified to meet FCC regulations regarding digital device shielding. This guarantees that internal network processing paths and high-speed data translation steps do not introduce or sustain harmful electromagnetic interference across nearby diagnostic clinical devices or patient networks.
- **UL Listing:** Developed and engineered using interior assembly components compliant with UL safety classifications for low-voltage information technology equipment, data communication accessories, and auxiliary healthcare resident safety tools.
- **RoHS Compliance:** Formulated in alignment with environmental protection directives, ensuring that the internal circuit layouts, external terminal components, and housing finishes strictly restrict the use of lead, mercury, polybrominated biphenyls, and other hazardous materials.