

filename:comptia-secplussy0601-4-10-1-specialized-systems

Showname: Security+ (SY0-601)

Topic: Specialized Systems

Episode: Specialized System Types

Explain the security implications of embedded and specialized systems.

Description: In this episode, the viewer will identify specialized systems such as SCADA/ICS systems, VoIP, system-on-a-chip, embedded systems, HVACs, IoT devices and more as well as some specialized devices such as medical, aircraft, smart meters and medical devices.

- SCADA/ICS
 - Facilities
 - Industrial
 - Manufacturing
 - Energy
 - Logistics
- Internet of Things (IoT)
 - Sensors
 - Smart devices
 - Wearables
 - Facility automation
 - Smart Meters
 - Weak defaults
- Embedded systems
 - Raspberry Pi
 - Field-programmable gate array (FPGA)
 - Arduino
- Specialized
 - Medical systems
 - Vehicles, aircraft and drones
 - SoCs
 - Surveillance systems
- Voice over IP (VoIP)
- Real-time operating system (RTOS)
- Specialized and Embedded System Communications
 - 5G
 - Narrow-base
 - Baseband radio
 - SIMs
 - Zigbee
- Specialized and Embedded System Constraints
 - Patch management
 - Function
 - Power
 - Compute
 - Network
 - Cryptographic concerns
 - Authentication

- Cost associated with risk
- Implied Trust