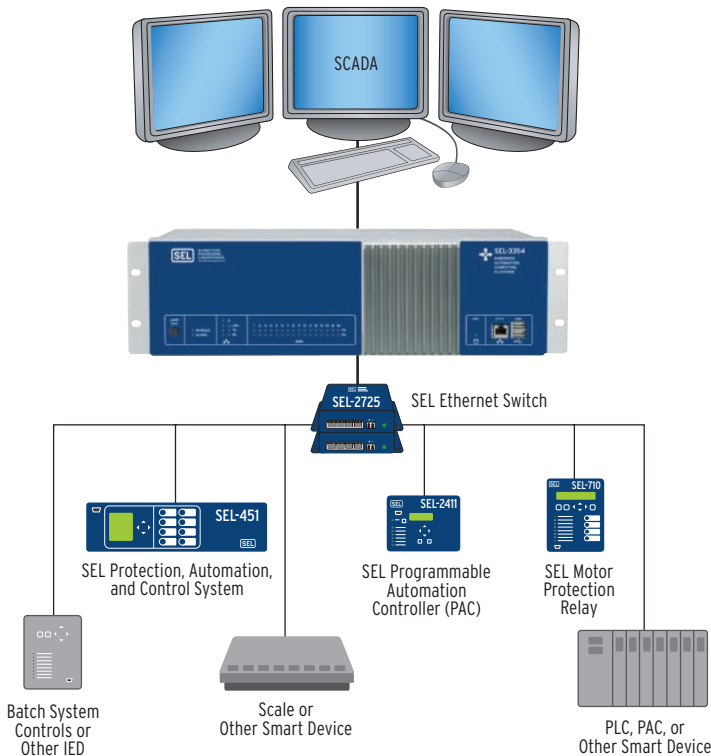


Embedded Automation Computing Platform

Improve Reliability With a Tough Computer



SEL tough computers have over ten times the MTBF of typical industrial computers.



Features and Benefits

■ Robust Hardware Design—No Fans, No Moving Parts, and a Ten-Year Warranty

Improve reliability with SEL tough computers, which apply error-correcting code (ECC) memory and other technologies to deliver a proven mean time between failures (MTBF) of ten times that of typical computers. An independent, diagnostic watchdog processor improves system availability by detecting and alarming for problems, detecting system interruptions, and monitoring the main processor.

■ Reliable Operation—Designed and Tested to Extreme Environmental Standards

Install the SEL-3354 Embedded Automation Computing Platform in your substation, industrial, or government system instead of desktop and rack-mount computers designed for controlled office environments. The SEL-3354 is designed for harsh environments to withstand vibration, electrical surges, fast transients, and extreme temperatures.

■ Flexible Solution for Your Applications

Create embedded, integrated solutions for your application with 3 Ethernet ports, 6 USB ports, up to 16 serial ports, dual VGA, IRIG-B input/output, and I/O for alarming and control. With Windows® XP Professional, Windows Embedded Standard, or Linux®, you have the options you demand for your applications.

Built to Withstand Harsh Environments



Heat (+75°C)



Cold (-40°C)

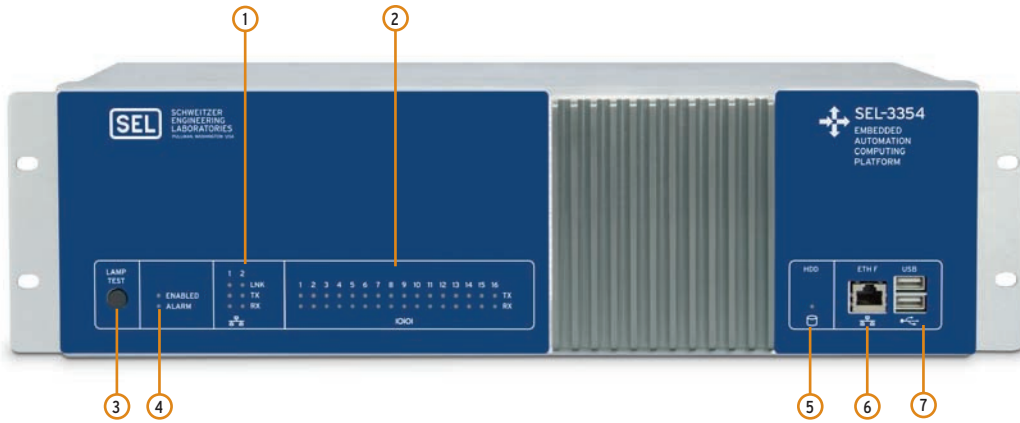


Electrostatic Shock (15 kV)



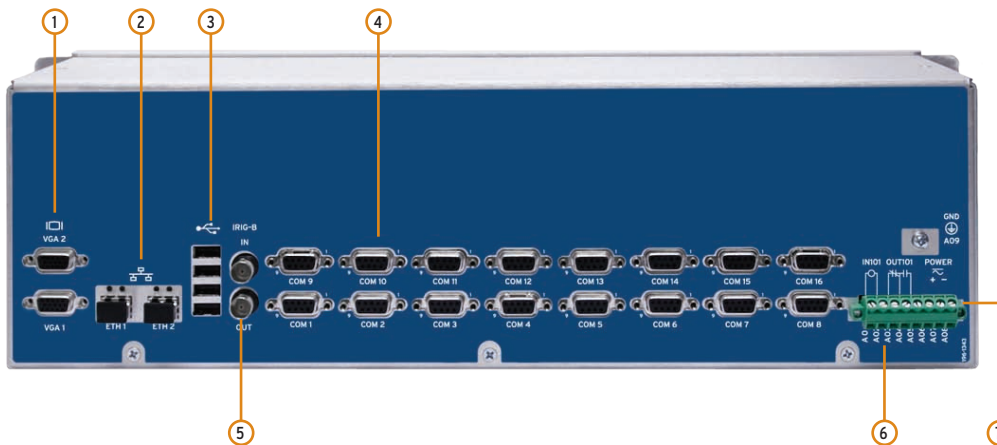
Vibration (15 g Shock)

SEL-3354 Embedded Automation Computing Platform



Front View

- ① Rear Ethernet Port Activity LEDs
- ② Serial Port Activity LEDs
- ③ Lamp Test Button
- ④ Enabled/Alarm LEDs
- ⑤ Drive Access LED
- ⑥ Front Ethernet Port: 10/100BASE-T
- ⑦ Front USB Ports



Back View

- ① VGA 1 Port Resolution: 2048 x 1536
VGA 2 Port Resolution: 1024 x 768
- ② Rear Ethernet Ports: 10/100BASE-T, 100BASE-FX
- ③ Rear USB Ports
- ④ Serial Ports: 2 or 16;
EIA-232/485; +5 V Source
- ⑤ IRIG-B Input and Output Ports
- ⑥ Alarm Contact
- ⑦ Power Supply:
125/250 Vdc or 120/230 Vac
48/125 Vdc or 120 Vac

General Specifications

General

AMD Athlon™ 64 2600 Option: 1.6 GHz, 64-bit, 2 GB ECC RAM, higher performance (-20° to +60°C)
 Intel® Pentium® M Option: 1.4 GHz, 32-bit, 1 GB ECC RAM, extended temperature (-40° to +75°C)
 Watchdog processor with programmable system monitor interface and alarm configuration

Operating System Options

Windows XP Professional
 Windows Embedded Standard
 Linux

Storage Options

CompactFlash® (CF)
 Primary 2, 8, or 16 GB
 Secondary 2, 8, or 16 GB
 Solid-State Drive (SSD) 60 or 120 GB
 (only available with AMD Athlon 64 2600 option)

Standards

ANSI/IEEE 1613
 ANSI/IEEE C37.90
 IEC 60255



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