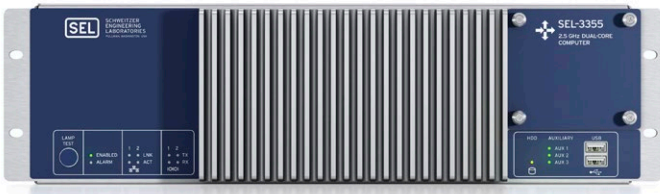


COMPUTING



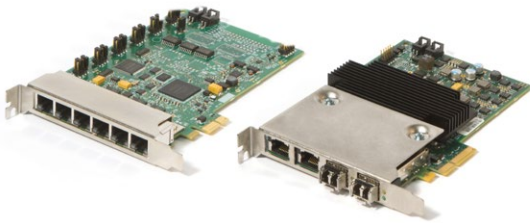
SEL-3355

The SEL-3355 is a server-class computer built to withstand harsh environments in utility substations and industrial control and automation systems.



SEL-3360S/3360E

The SEL-3360S and SEL-3360E match the power and ruggedness of the SEL-3355 and are ideal for limited-space applications.



SEL-3390

SEL PCIe expansion cards let you add ports and connectivity to rugged computers.



SEL-9331

The SEL-9331 powers equipment in industrial environments where many power supplies cannot maintain operation.

	SEL-3355	SEL-3360E	SEL-3360S
APPLICATIONS			
Computing in Harsh Environments	•	•	•
Running Multiple Applications Simultaneously	•	•	•
Installing Third-Party Software	•	•	•
Embedding Into Automation and Monitoring Systems	•	•	•
HMI	•	•	•
Security Gateway to Help Satisfy NERC CIP Requirements	•	•	•
Network Monitoring and Intrusion Detection	•	•	•
Virtualization Server	•	•	•
Engineering Access Point	•	•	•
IRIG-B Time Distribution and Network Time Protocol (NTP) Conversion	•	•	•
Video Surveillance Control and Archiving/Physical Security Monitoring and Notification	•	•	•
SEL Secure Kiosk	•	•	•
SUPPORTED OPERATING SYSTEMS			
Microsoft Windows 8/8.1, 10 IoT*; Windows Server 2012 R2 Standard; Windows Server 2016 Standard*; Windows Server 2019 Standard*; CentOS Linux 6 and 7; Ubuntu 16.04 LTS and Ubuntu 18.04 LTS; Red Hat Enterprise Linux 6 and 7; VMware ESXi 5.x–6.0; SEL Kiosk*; None (User-Loaded Operating System)	+	+	+
PRE-INSTALLED SOFTWARE			
SEL Software	+	+	+
McAfee Whitelist Antivirus	+	+	+
SISCO AX-S4 IEC 61850 GOOSE OPC Server	+	+	+
HARDWARE			
Intel Xeon E3-1505L Quad-Core 2.0 GHz 64-Bit CPU	•	•	•
Intel Xeon E3-1515M Quad-Core 2.8 GHz 64-Bit CPU	+		+
4 GB DDR4 ECC PC4-17000 (2,133 MHz) System Memory	•	•	•
Up to 32 GB DDR4 ECC PC4-17000 System Memory	+	+	+
Triple Independent Video Displays (2 DVI-D and 1 DisplayPort)	•	•	•
HD Audio Ports, Line In, Line Out, Microphone	•	•	•
Six USB Ports, USB 3.1-Compliant, 2.0 A Max. Current Limit Each (Up to 4 A Combined Front and 4 A Combined Rear)	•	•	•
Two 10/100/1000 Mbps Independent Copper Ethernet Ports	•	•	•
Two EIA-232 Serial Ports, DB-9 Connectors, 300 to 115,000 bps	•	•	•
IRIG-B Input on COM1	•	•	•
IRIG-B When Used With the SEL-3390E Network Card	+	+	
19" Rack-Mount Chassis	•		
Wall-Mount Chassis		•	•
Conductive Panel Mount		•	•
PCI/PCIe Expansion Slots	5	2	
Additional EIA-232/422/485 Serial Ports, RJ45 Connectors, 300 to 921,000 bps, IRIG-B Inputs/Outputs, +5 Vdc Power Via PCIe Cards	24	12	
Additional 10/100/1000 Mbps Ethernet Ports, Copper RJ45, or Fiber-Optic SFP LC Connectors Via PCIe Cards	8	8	
Solid-State Drives (2.5" SLC, iMLC, MLC SATA II, 30 GB–2 TB Drives)	4	2	2
Internal 120/230 Vac, 125/250 Vdc, or 48 Vdc Power Supply	•	•	
Secondary Internal 120/230 Vac, 125/250 Vdc, or 48 Vdc Power Supply	+		
Hot-Swappable Power Supplies	•		
External Power Supply			+
Alarm Contact, Alarm LED, Watchdog Processor	•	•	•
Three Programmable Auxiliary Bicolor LEDs	•	•	•
Intel Active Management Technology (AMT) v8.1	•	•	•
Trusted Platform Module (TPM) v1.2	•	•	•

• Standard feature + Model option *Factory-orderable operating system