

Element Edge Computer



Elevate your edge game with the most flexible small form factor industrial computer.

Meet the Seneca Element, your flexible solution for edge and IoT projects. With a range of Intel® processors and operating systems like Windows 10 IoT, ChromeOS Flex, and Linux, it fits most industries, including retail, healthcare, and casino gaming.

Choose the best configuration for your needs, from fanless to fanned profiles and internal to external power options. Stay connected on the go with an embedded 4G/LTE Verizon Wireless SIM card.

Setting up is easy with tool-less VESA mounting, and you can keep an eye on things remotely through Seneca's xConnect.

The Element Edge Computer isn't just another device; it's the smart choice to enhance your operations. Make things simpler and more efficient with this state-of-the-art edge computing solution.



Windows 10 IoT, Linux and ChromeOS Flex
Intel® processors (Celeron®, Pentium®, i3, i5, or i7)
Embedded and certified Verizon 4G/LTE dual high
gain antenna.
Qualified to work with AWS Greengrass IoT

Active and passive cooling options
Internal and external power supply
Wide temperature component options
Tool-less VESA mount
GPIO header

Specifications



Element Edge Computer

Element Edge Computer Fanless

Processor	Pentium® J6426 and Celeron® N6211 Core™ i3-1115G4, Core™ i5 1135G7, Core™ i7 1165G7 *AMD Ryzen V1000 1605b	Pentium® J6426 and Celeron® N6211 Core™ i3-1115G4, Core™ i5 1135G7 *AMD Ryzen V1000 1605b
Memory	4GB to 64GB	
Storage - Stf and LTE - Capture	1x M.2 SATA or NVMe SSD 250GB-2TB 1x mSATA 250GB	1x M.2 SATA or NVMe SSD 250GB-2TB N/A
Graphics	2x HDMI 2.0 Ports Pentium®/Celeron®- Intel® UHD Graphics for 10th Gen Intel® Processors 4x HDMI 2.0 Ports Core™ i3- Intel® UHD Graphics for 11th Gen Intel® Processors Core™ i5- Intel® Iris® Xe Graphics Core™ i7- Intel® Iris® Xe Graphics Ryzen™ Radeon™ Vega 8 Graphics	
Communication	2x GbE LAN Ports Intel 9260 Wifi/BT Adapter (Optional)	
Capture	M.2 EcoCapture - No LTE	N/A
**LTE	MiniPCIe - LTE Card - No Capture	
Audio	Realtek® ALC269	
Front I/O	1x 3.5in Audio Jack (Via Internal Motherboard Header) Optional 1x HDMI 2.0 Input (When Selecting HDMI Capture Option)	1x 3.5in Audio Jack (Via Internal Motherboard Header)
Rear I/O	2x HDMI 2.0 for Celeron®/Pentium® 2x RJ45 LAN Ports 4x HDMI 2.0 4x USB 3.1 Gen2 1x DC Plug (External Power Chassis Only) Optional 2x Antennas for Wi-Fi Optional 1x 8-pin GPIO	2x HDMI 2.0 for Celeron®/Pentium® 2x RJ45 LAN Ports 4x HDMI 2.0 4x USB 3.1 Gen2 1x DC Plug (External Power Chassis Only) Optional 2x Antennas for Wi-Fi
Side I/O	Optional Dual Antenna for Cellular	
Power Delivery	Internal Power Version - 50w Internal Power Supply External Power Version - 60w AC Adapter	
Cooling	Actively Cooled Chassis - Fansink + Additional Fan	Fanless Chassis - Heatspreader + Heatsink Enclosure
Dimensions	External Power LxWxH - 170mm x 108.4mm x 44.5mm (VESA Mount 50.4mm) Internal Power LxWxH - 210.5 x 108.4mm x 44.5mm (VESA Mount 50.4mm)	External Power LxWxH - 170mm x 108.4mm x 50.8mm (VESA Mount 56.8mm) Internal Power LxWxH - 210.5 x 108.4mm x 50.58mm (VESA Mount 56.8mm)
Ambient Operating Temperature	0-40° C	

Robust Partner
Ecosystem



*AMD is active chassis only.

Specifications are subject to change; contact your account representative for current configuration.
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