Elm – Entry Level Mini Ryzen™ Quad-Core ELM1g4EL

Flexible Customization

The Simply NUC ELM1g4EL (code-named Elm) is a mini computer built with an AMD® Embedded GX424 processor, delivering big innovation in a cost-effective package. A wireless-AC card can be installed into one of two M.2 slots, leaving the other available slot for a lightning-fast SSD. The bottom of the chassis is designed to accommodate mounting options including DIN rail and VESA plate. There is a board SKU option for embedded designs. Finally, whether it's Windows® 10, Linux, or another OS, these systems are verified to run a wide range of operating systems so you can build the exact solution you want.

Cost Effective Versatility

Elm is a mini computer that's small in size with features that make it perfect as a desktop replacement or for basic digital signage. Versatility in a 4" x 4" x 2" sized package that can mount behind your monitor or be unobtrusively located in plain sight due to its small size. It's price point makes Elm affordable for usages with a tight budget. Our entry level mini PC supports most productivity apps, offers a gigabit Ethernet port, and four USB ports, and two HDMI ports for I/O flexibility. Elm also comes in a board SKU option with a serial port header enabling other embedded usages such as kiosk, vending machines, and POS.

Highlighted features
- AMD® GX-424CC CPU
- AMD® Radeon™ R5E Graphics
- M.2 support for PCIe and SATA SSDs
- 1x DDR3-1866 SODIMM Socket
- M.2 slot for Wi-Fi/ Bluetooth antenna
- 2x HDMI 1.4a (1080p)
- 1x 10/100/1000 Mbps RJ45 Ethernet
- 2x front USB 3.0 type A ports
- 2x front USB 2.0 type A ports
- 3.5mm MIC/headphone
- Simply NUC Universal chassis
- 19VDC 65W power supply adapter
- 12V – 19V power supply range
- Replaceable lid for expandable functionality
- Serial port header on the board RS-232
- Mounting options: DIN mount or VESA plate (VESA Mounting plate included)
- TAA compliant
- Extended Support Service (3, 5-years)

Customization
- Supports M.2 SSD 128GB-2TB
- Supports DDR3 RAM 4GB-16GB
- Supports M.2 Wi-Fi/ Bluetooth
- Customizable lid options available

Simply NUC Services
You can order this NUC in your various configurations, as well as your corporate OS Image loaded and ready to deploy.

Technical Specifications

Processor
- AMD® GX-424CC CPU (2.4GHz, Quad Core, 2MB Cache, 25W)

Graphics
- AMD® Radeon™ R5E Graphics, up to 800 MHz
- 2x HDMI 1.4a (1080p)

System Memory
- One DDR3-1866 SO-DIMM sockets,16 GB Max

Front Panel Header
- Reset, Power LEDs, power on/off

Storage Capabilities
- M.2 22x42 key M slot for PCIe x4 NVMe or SATA SSD (up to 2TB)

Peripheral Connectivity
- M.2 22x30 key E slot for Wi-Fi/ Bluetooth antenna
- 1x 10/100/1000 Mbps RJ45 Ethernet
- 2x front USB 3.0 type A ports
- 2x front USB 2.0 type A ports
- Intel® Dual Band Wireless-AC 3168 (802.11ac), 1x1, up to 433Mbps
- (Optional) Dual Mode Bluetooth v4.2
- (Optional) Wireless 802.11ac + BT v4.2 Radio is removable or disableable for security

Service Features
- TAA compliant
- Extended Support Service options (3, and 5 years)

Mechanical Chassis Information
- 4.6" x 4.4" x 2" (118 x 113 x 53 mm)
- VESA plate and screws included
- 0.7kg (1.5lbs) Fully-Assembled

Audio
- 3.5mm MIC/headphone

Baseboard Power Requirements
- 19VDC 65W power supply adapter with detachable power cord
- 12v-19VC DC power supply range
- US Cord included, others available

Certification and Regulations

Product Safety Regulations and Standards
- *IEC 60950-1
- *UL 60950-1
- *EN 60950-1
- *CAN/CSA-C22.2 No. 60950-1

(* Cert or Reg is currently pending)

EMC/RF Regulations and Standards (Class B)
- *EN 55052
- *EN 55024
- *(CISPR 32
- *FCC CFR Title 47, Chapter I, Part 15, Subparts B, C, E
- *ICES-003
- *ETSI EN 300 328
- *ETSI EN 301 489-1
- *ETSI EN 301 893
- *EN 62511

(* Cert or Reg is currently pending)

Environmental Regulations
- *RoHS Directive 2011/65/EU
- WEEE Directive 2012/19/EU

(* Cert or Reg is currently pending)

Certified Operating Systems
- Windows 10 64-bit (Pro & Home)
- Windows 10 IoT Enterprise
- Windows Server 2019
- Certified with Ubuntu 18.04 LTS; compatible with various Linux distros. (Contact Simply NUC for specifics)

Environment Operating Temp
- 0° C to +50° C
- Relative Humidity:10%~90%

Storage Temperature
- -20° C to +80° C