

Post Oak - Long Life Ryzen™ Dual-Core LLM1v6PK/LLM1r6PK

Flexible Customization

The Simply NUC LLMv6PK and LLMr6PK (code named Post Oak) are mini computers built with an AMD® Ryzen™ Embedded V1605B or R1606G processor, delivering innovation in a small space for embedded solutions. 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 are also board SKU options 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 your clients want.

Feature Rich, Mainstream Performance

Post Oak is a mini computer that's small in size with features that make it optimal for your embedded solutions. Its rich feature set makes Post Oak ideal for mainstream performance usages such as on-prem edge analytics. It supports a wide power supply range (12 to 19Vdc), offers two gigabit Ethernet ports, and three USB ports for I/O flexibility. With two DisplayPort and one HDMI ports Post Oak has plenty of bandwidth for sophisticated digital signage usages.

Build Embedded Solutions

Simply NUC is committed to supporting the manufacture and sales of Post Oak in the same form, fit, and function for seven years from launch (June 2020). Post Oak also comes in a board SKU option with a serial port header and one USB header enabling other embedded usages such as kiosk, vending machines, and POS.

Highlighted features

- AMD® Ryzen™ Embedded V1605B or R1606G
- AMD® Radeon™ Vega 8 or 3 Graphics
- M.2 slot supports PCI or SATA SSDs
- Two DDR4-2400 SO-DIMM Sockets
- M.2 slot for Wi-Fi/ Bluetooth antenna
- 2x DP (4K 60Hz, HDR)
- 1x HDMI 2.0
- 2x 10/100/1000 Mbps RJ45 Ethernet
- 1x front and 2x rear USB 3.1 gen 2 type A ports
- Audio combo mic in / line out
- TPM down (Infineon 2.0)
- 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-232/422/485)
- 1x USB 2.0 headers on the board
- Mounting options: DIN mount or VESA plate (VESA Mounting plate included)
- 7 year supply (from June 2020)
- Extended Support Service (3, 5-years)

Customization

- Supports M.2 SSD 128GB-2TB
- Supports DDR4 RAM 8GB-32GB
- 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

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| Processor <ul style="list-style-type: none"> • AMD® Ryzen™ V1605B or R1606G CPU (2.6GHz, 3.5GHz Turbo, 4C/8T, 25W) or (2.6 GHz, 3.5GHz Turbo, 2C/4T, 25W) | Graphics <ul style="list-style-type: none"> • AMD® Radeon™ Vega 8 Graphics, up to 1.1 GHz or AMD® Radeon™ Vega 3 Graphics • 2x DisplayPort 4k@60Hz • 1x HDMI 2.0 4k@60Hz | System Memory <ul style="list-style-type: none"> • Two DDR4-2400 SO-DIMM sockets, 32GB Max, 1.2V |
| Storage Capabilities <ul style="list-style-type: none"> • M.2 22x42 key M slot for NVMe or SATA SSD (up to 512GB) | Peripheral Connectivity <ul style="list-style-type: none"> • Dual Gigabit Ethernet from Realtek® RTL8111H Gigabit RJ-45 • Three Super-Speed USB 3.1 ports (1x front and 2x rear USB 3.1 gen 2 type A ports) • M.2 22x30 key E slot for Wi-Fi/ Bluetooth antenna • Intel® Dual Band Wireless-AC 3168 (802.11ac), 1x1, up to 433Mbps • Dual Mode Bluetooth v4.2 • Wireless 802.11ac + BT v4.2 Radio is Removable or Disableable for security | Front Panel Header <ul style="list-style-type: none"> • Reset, Power LEDs, power on/off |
| Audio <ul style="list-style-type: none"> • Audio combo mic in / line out | Baseboard Power Requirements <ul style="list-style-type: none"> • 19VDC 65W power supply adapter with detachable power cord • 12v-19VC DC power supply range • US Cord included, others available | Service Features <ul style="list-style-type: none"> • 7 year supply (from June 2020) • TAA compliant • Extended Support Service options (3, and 5 years) |
| Hardware Management Features <ul style="list-style-type: none"> • TPM down (Infineon 2.0) | Baseboard Power Requirements <ul style="list-style-type: none"> • 19VDC 65W power supply adapter with detachable power cord • 12v-19VC DC power supply range • US Cord included, others available | Mechanical Chassis Information <ul style="list-style-type: none"> • 4.6" x 4.4" x 2" (118 x 113 x 53 mm) • VESA plate and screws included • 0.7kg (1.5lbs) Fully-Assembled |

Certification and Regulations

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| Product Safety Regulations and Standards <ul style="list-style-type: none"> • *IEC 60950-1 • *UL 60950-1 • *EN 60950-1 • *CAN/CSA-C22.2 No. 60950-1 <p>(* Cert or Reg is currently pending)</p> | EMC/RF Regulations and Standards (Class B) <ul style="list-style-type: none"> • *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 <p>(* Cert or Reg is currently pending)</p> | Environmental Regulations <ul style="list-style-type: none"> • *RoHS Directive 2011/65/EU • WEEE Directive 2012/19/EU <p>(* Cert or Reg is currently pending)</p> |
| Environment Operating Temp <ul style="list-style-type: none"> • 0° C to +50° C • Relative Humidity 10-90% Storage Temperature <ul style="list-style-type: none"> • -20° C to +80° C | Certified Operating Systems <ul style="list-style-type: none"> • 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) | |