Post Oak - Long Life Ryzen™ LLM1v6PK/LLM1r6PK/LLM1r3PK

Flexible Customization

The Simply NUC LLM1v6PK and LLM1r6PK (code named Post Oak) are mini computers built with an AMD® Ryzen™ Embedded V1605B, R1606G, or R1305G 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. Whether it's Windows® 10, Linux, or another OS, Post Oak is 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 from 12 to 19Vdc, offers two gigabit Ethernet ports, and three USB ports for I/O flexibility. With two DisplayPorts and one HDMI port 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, R1606G, or R1305G
- AMD® Radeon™ Vega 8 or 3 Graphics
- M.2 Slot Supports PCIe or SATA SSDs
- Two DDR4-2400 SO-DIMM Sockets
- Intel® Wi-Fi 5 + Bluetooth 4.2
- Two DisplayPorts (4K 60Hz, HDR)
- One HDMI 2.0
- Dual 10/100/1000Mbps RJ45 Ethernet
- One Front and Two Rear USB 3.2 Gen 2 Type-A ports
- Audio Combo Mic In/ Line Out
- Front Panel Power Button
- TPM Down (Infineon 2.0)
- Simply NUC Universal Chassis
- 19VDC 65W Power Supply Adapter
- 12V – 19V Power Supply Range
- Kensington Lock Support
- Mounting options: DIN Mount or VESA Plate (VESA Mounting Plate Included)
- 7 Year Supply (From June 2020)
- Extended Support Service (1, 3, 5 years)

Customization
- Supports M.2 SSD 128GB-2TB
- Supports DDR4 RAM 4GB-64GB
- Serial RS-232/422/485 Internal Header
- USB 2.0 Internal Header
- Customizable I/O Options Available

Technical Specifications

Processor
- AMD® Ryzen™ V1605B (2 GHz, 3.6GHz Turbo, 4C/8T, 25W), or R1606G (2.6 GHz, 3.5GHz Turbo, 2C/4T, 25W), or R1305G (1.5Ghz, 2.8Ghz, Turbo, 2C/4T, 10W) CPU

Storage Capabilities
- M.2 22x42 Key M Slot for NVMe or SATA SSD (up to 2TB)

Audio
- Audio Combo Mic In / Line Out

Hardware Management Features
- TPM Down (Infineon 2.0)

Graphics
- AMD® Radeon™ Vega 8 Graphics, up to 1.1 GHz (V1605B) or AMD® Radeon™ Vega 3 Graphics (R1606G & R1305G)
- 2x DisplayPort 1.4 Ports 4k@60Hz
- 1x HDMI 2.0 4k@60Hz

Peripheral Connectivity
- Dual Gigabit Ethernet from Realtek® RTL8111H Gigabit RJ-45
- Three Super-Speed USB 3.2 Gen 2 Type-A Ports (1x Front and 2x Rear)
- 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

Baseboard Power Requirements
- 19VDC 65W Power Supply Adapter with Detachable Power Cord
- 12v-19VC DC Power Supply Range
- US Cord Included, Others Available

System Memory
- Two DDR4-2400 SO-DIMM Sockets, 64GB Max, 1.2V

Front Panel Header
- Reset, Power LEDs, Power On/Off

Service Features
- 7 Year Supply (from June 2020)
- TAA Compliant
- Extended Support Service Options (1-, 3-, and 5-Years)

Mechanical Chassis Information
- 4.6" x 4.4" x 2" (118mm x 113mm x 53mm)
- VESA Plate and Screws Included
- 0.7kg (1.5lbs) Fully-Assembled

Certification and Regulations

Product Safety Regulations and Standards
- IEC 62368-1
- EN 62368-1
- CAN/CSA 62368-1

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

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

EMC/RF Regulations and Standards (Class B)
- FCC CFR Title 47, Chapter I, Part 15 Subparts. B
- EN 55024
- EN 55032
- EN 55035
- CISPR 32
- ICES-003
- ETSI EN.301 489-1
- ETSI EN.301 489-17

Environmental Regulations
- RoHS Compliant
- REACH Compliant

Certified Operating Systems
- Windows 10 64-bit (Pro & Home)
- Windows 10 IoTe
- Windows Server 2019
- Certified with Ubuntu 18.04 LTS; Compatible with Various Linux Distros. (Contact Simply NUC for Specifics)