The slimBOX pico C425N5 empowers modern AI algorithms with the high-performance Volta-powered NVIDIA Jetson Xavier NX System-on-Module. This lightweight and pocketable unit operates at just 18 Watts under load compared to the 120W of a traditional Mini PC solution, making it perfect for AI and video analytic applications of which the electrical power in the field is limited. Featuring dual HDMI 2.0 output capable of 4K 60Hz playback encased in a compact-size solution, C425N5 provides a convenient display solution without adding stress on the budget and UHD output at minimal power consumption. A vast array of connectivity integrated options such as USB 3.0 and 2.0 ports, gigabit LAN, and 802.11ac Wi-Fi. Support Linux for Tegra (L4T).

SKU: EMB-C425N5-BC-A01

**SPECIFICATIONS**

- **Processor**: NVIDIA Jetson Xavier NX System on Module (SoM)
- **System Memory**: 8GB 128-bit LPDDR4 on Jetson Xavier NX SoM
- **Graphics Engine**: NVIDIA Volta 384-core GPU with 48 Tensor Cores
- **HD Video Capability**: 4K@60Hz video playback in H.265/VP9, 4K@30Hz encode in H.265/VP8
- **Mass Storage**: 16GB eMMC flash on Jetson Xavier NX SoM, 64GB eMMC flash on-board SD/SDHC/SDXC
- **Card Reader**: Internal SIM socket reserved for WWLAN version
- **Video Output**: 2 x HDMI 2.0 with locking screw
- **Audio**: Microphone and Headphone 3.5mm combo jack
- **USB Port**: 1 x USB 3.0 Type-A, 1 x USB 2.0 Type-A
- **LAN**: 1 x Gigabit LAN
- **Antenna**: 2 x SMA external antenna
- **WIFI**: IEEE 802.11 ac/a/b/g/n
- **Legacy I/O**: 1 x RS-232 serial port
- **Expansion**: M.2 key-E socket (occupied by WIFI module), Internal GPIO header, CSI-2 camera interface header
- **LED Indicators**: Power, HDD, WiFi
- **Power Supply**: Universal AC Adapter O/P: DC 12V/60W
- **Include AC plugs for US, UK, and EU regions
- **Cooling System**: Fanless
- **Operating Temperature**: -20°C to +65°C (main unit)
- **Case Color**: Black anodized aluminum
- **Dimension**: 146.8mm(W) x 146.8mm(D) x 31.1mm(H)
- **Case Mounting**: Mounting screw holes, VESA mount, DIN-rail holes
- **Supported Operating System**: Linux for Tegra (L4T)
- **Longevity Support**: Yes
- **Watchdog Timer**: Timeout value = 1 - 4095 seconds

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