

slimBOX **PICO C425N5**



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



**WATCHDOG
TIMER**



HDMI



**802.11ac
WIFI**



RS-232



GIGABIT LAN



FANLESS

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-boardSD/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 -+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