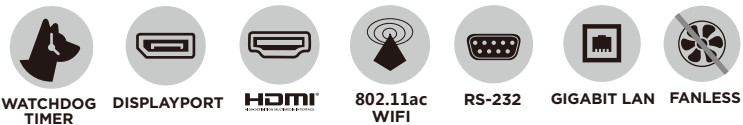# PCP SOLUTIONS

slimBOX NANO N340N2

NVIDIA JETSON TX1

Uniqueness and next level performance define the slimBOX nano N340N2, our latest ARM based platform featuring NVIDIA® Jetson™ TX1, the latest and most advanced Supercomputer-on-Module. The slimBOX nano N340N2 unleashes the incredible power of a 64-bit quad-core ARM® Cortex® - A57 CPU combined with NVIDIA Pascal GPU with 256 NVIDIA CUDA® Cores in your most demanding applications. Its improved power-efficiency, unparalleled 4K capabilities with H.265 and VP9 native support and unprecedented GP-Computing potential make the N340N2 the most powerful and versatile ARM platform we've created ... so far. A fanless design and total lack of moving parts enables this unit to be reliably installed even at the most sound-sensitive and adverse location. A pre-loaded Linux OS provides the gateway to countless industrial applications available on the market today. Whether your needs are for a research lab or for a vibrant UltraHD Digital Signage showcase, the slimBOX nano N340N2 is engineered to exceed your expectations.

SKU: EMB-N340N2-BC-C01

SPECIFICATIONS

WATCHDOG TIMER · DISPLAYPORT · HDMI · 802.11ac WIFI · RS-232 · GIGABIT LAN · FANLESS

Processor	NVIDIA Jetson TX1 System-on-Module
	Quad-core ARM Cortex-A57 + Maximum clock 1.73Ghz
System Memory	4GB 64-bit LPDDR4, Maximum clock 1600Mhz
Graphics Engine	NVIDIA Maxwell architecture with 256 CUDA cores
HD Video Capability	2160p@30Hz H.264, H.265 encode, 2160p@60Hz H.264, H.265 decode
	4K@30Hz
Mass Storage	16GB eMMC 5.1 Flash Storage, 2.5" SATA SSD/HDD bay
Card Reader	SD/SDHC/SDXC
Video Output	1 x HDMI 2.0, 1 x DisplayPort 1.2
Audio	Microphone, Headphone
USB Port	2 x USB 3.0 Type-A, 2 x USB 2.0 Type-A
LAN	1 x Gigabit LAN
Antenna	2 x WiFi SMA connector
WiFi	IEEE 802.11ac/a/b/g/n 2x2 dual-band WIFI
Bluetooth	Bluetooth 4.0
Legacy I/O	1 x RS-232 serial port
Expansion	1 x mini-PCIE half-size slot for WIFI module
	1 x USB 2.0 pin header, GPIO & Expansion header
LED Indicators	Power, HDD, WiFi
Power Supply	Universal AC Adapter O/P: DC 12V/60W
	2 x AC power cords for US and EU regions
Cooling System	Fanless
Operating Temperature	-20°C ~+65°C (main unit)
Case Color	Black anodized aluminum
Dimension	160mm(W) x 126.7mm(D) x 50.7mm(H)
Case Mounting	L-shape mounting, VESA mounting holes, DIN rail holes, Rubber feet
Supported Operating System	Linux for Tegra
Longevbity Support	Yes
Watchdog Timer	Hardware WDT. Timeout value = 1 ~ 255. Unit: min, sec