



FEATURES

- Integrate Phison’s aiDAPTIV+ AI technology to bypass edge memory up to 320GB, offloading expensive HBM and GDDR memory to cost-effective flash memory.
- Elevated AI power: 8x faster TTFT and 4x longer token.
- Provide 4 Eth and 4 USB 3.2 Gen 2.
- Fanless and compact design: 175(W) x 145(D) x 85(H) mm.
- Support Linux® Ubuntu 22.04 and Jetpack 6.2.
- High efficiency Edge AI platform for on-premise GenAI deployments.

JN-12002	
AI PERFORMANCE	275 TOPS
DIMENSIONS (W x D x H)	175x 145x 85mm
GPU	NVIDIA Ampere architecture with 2048 NVIDIA® CUDA® cores and 64 Tensor Cores
CPU	12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3
RAM	64GB 256-bit LPDDR5
HDMI	1x HDMI (Max. resolution 3840x2160 @ 60Hz)
USB	4x USB 3.2 Gen2 Type-A, 1x USB 3.2 Gen2 Type-C (OTG)
ETHERNET	4x 10/100/1000Mbps Ethernets (Optional PoE support, IEEE 802.3af/at)
STORAGE	64GB eMMC 5.1
M.2	M.2 for SSD
SD CARD	1x MicroSD Slot
OUT-OF-BAND (OOB)	Support Ethernet and Wifi, monitoring and managing at remote locations (thermal sensor, remote power on/off, restart, monitor debug port detection device status.)
SERIAL PORT	1x COM RS-232/RS-422/RS-485 (DB9)
CAN BUS	1x 2.0b, isolated (DB9)
BUTTON	1x power, 1x reset, 1x recovery
OS	Linux® Ubuntu
AUDIO	Mic-in (Mono), Line-out (Stereo)
I/O CONNECTOR	2x D-sub 26-pin connector (GPIO, I2C, SPI) provide cable for expansion
SMA ANTENNA CONNECTOR	6
MOUNTING	Wall mount, VESA DIN rail (optional)
VIBRATION	Operating 5Grms, 5-500Hz, 3 axes w/M.2 SSD
SHOCK	Operating 100G, half sine 11ms duration w/ SD, M.2 SSD
ESD	Contact ± 4kV, Air ± 8kV
REGULARITY	CE & FCC class B, (EN61000-6-4/-6-2), CE-LVD & UL by CB, FCCID
THERMAL SENSOR	1x Thermal sensor
WDT	WDT supported
POWER SWITCH	1x Power ON/OFF Button (AT/ATX, Default: AT)
DC/AC INPUT	24V, 160 up to 220W power adapter
OPERATING TEMPERATURE	-20°C to 55°C with 0.6m/s airflow, at 50W (without wifi module, M.2 SSD) -20°C to 40°C with 0.6m/s airflow, at MAXN (without wifi module, M.2 SSD)
STORAGE TEMPERATURE	-40°C to 85°C
HUMIDITY	~95% @40°C (non-condensing, optional with fanless solution)
CERTIFICATIONS	CE, FCC
WARRANTY	1 Year