



N100 Specifications

Wi-Fi + AP + 5G for flexible robot connectivity
Compact footprint with comprehensive I/O
Integrated GMSL camera connectivity
Multi-protocol design for efficient peripherals

MS-N100 | ROBOTICS EDGE AI COMPUTER

CATEGORY	SPECIFICATIONS
AI Module	NVIDIA Jetson Orin NX 8 GB / 16 GB
AI Performance	117 TOPS / 157 TOPS
Memory	8 GB / 16 GB, 128-bit LPDDR5, 102.4 GB/s
Storage	M.2 2280 NVMe SSD, industrial wide-temperature, power-loss protection
Display Output	1 x HDMI OUT, up to 4096 x 3024 @ 30 Hz
Ethernet	3 x Gigabit Ethernet (open-source/commercial EtherCAT master) + 1 x GE pin header
USB	6 x USB 3.0, 5 Gbps, 2 A + 2 x USB 2.0 pin headers
Wi-Fi	M.2 E-Key 2230 Wi-Fi (PCIe), 500 Mbps Station + AP
5G	Supports M.2 3052 5G module (USB)
I/O	16 x GPIO 4 x RS-232/485 I2C SPI
GMSL	4 x GMSL2
CAN FD	2 x CAN FD
Audio	2 x 20 W audio out 1 x microphone in
Power Input	1 x LCB30PW connector, DC 9-48 V
Power-On Mode	Automatic power-on
Operating Temp.	-20 to 60 °C with industrial SSD; 95% RH @ 40 °C, non-condensing
Storage Temp.	-40 to 85 °C with industrial SSD
Vibration	2 Grms, 5-500 Hz, random, 1 h/axis
Shock	15 G, 11 ms operating; 30 G, 11 ms non-operating
Packaged Drop	80 cm, 3 faces, packaged
Software	JetPack 6.2.1 ROS 2 DDS Linux RT Xenomai
Weight	0.93 kg
Dimensions	118 x 126 mm (L x W)