



# N201 Specifications

Compact design, high-performance compute  
Multi-channel communications  
Rich peripheral connectivity  
Industrial-grade reliability

## MS-N201 | ROBOTICS EDGE AI COMPUTER

| CATEGORY        | SPECIFICATIONS                                                                     |
|-----------------|------------------------------------------------------------------------------------|
| AI Module       | NVIDIA Jetson AGX Orin 32 GB / 64 GB                                               |
| AI Performance  | 200 TOPS / 275 TOPS                                                                |
| Memory          | 32 GB / 64 GB, 256-bit LPDDR5, 204.8 GB/s                                          |
| Storage         | 1 TB M.2 2280 NVMe SSD, industrial, power-loss protection                          |
| Display Output  | 1 x HDMI OUT, up to 4096 x 3024 @ 30 Hz                                            |
| Ethernet        | 3 x Gigabit Ethernet (open-source 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 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                                             |
| CAN FD          | 2 x CAN FD                                                                         |
| Audio           | 2 x 20 W audio out   1 x microphone in; optional iFLYTEK voice and noise reduction |
| Power Input     | 1 x XT60 connector, DC 9-36 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   ROS 2 DDS   Linux RT   Xenomai                                       |
| Weight          | 0.93 kg                                                                            |
| Dimensions      | 118 x 126 x 52 mm (L x W x H)                                                      |