



1389.00 EUR

incl. 19% VAT, plus shipping

- **NVidia Jetson Thor !**

AVerMedia's carrier board D331 equips powerful NVIDIA Jetson T5000. This efficient system-on-module (SoM) opens new worlds of embedded IoT applications with full analytic capabilities.

D331 is designed for the industry applications with spatial concern and feature a rich assortment of I/O ports for rapid AI-based solution development and seamless deployment as required by demanding business applications.

AVerMedia supports businesses of all sizes and offers customizable BSP services, flexible MoQ, in addition to NVIDIA's JetPack™ SDK.

- Embedded NVIDIA Jetson T5000
- 2x GbE RJ-45
- 1x QSFP for 4x25GbE
- 1x M.2 Key E 2230 for WIFI 6
- 1x M.2 Key B 3350 for 4G/5G
- 2x M.2. key M 2280 for SSD
- 4x CAN BUS & 4 x PWM
- 1x HDMI 2.0 (3840x2160 at 60Hz)
- 1x 120pin for GMSL camera board
- 4x USB 3.2 Type-A
- 1x JTAG
- Optional 8x PoE & 8xUSB (via daughter board)
- Operating temperature: -40 to 85°C (carrier board)
- Dimension: W: 170mm x L: 170mm

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| Model | D331 |
| Type | Carrier board |
| NVIDIA Module Compatibility | NVIDIA Jetson T5000 |
| Networking | <ul style="list-style-type: none"> •2x GbE RJ-45 (OOB on board, one port is NCSI) •1x QSFP for 4x25GbE •1x M.2 key E 2230 for wifi 6 •1x M.2 Key B for 5G |
| Display Output | <p>1x HDMI output 3840 x 2160 at 60Hz</p> <p>1x Type C DP mode</p> <p>2x HDMI output (Optional)</p> |
| Temperature | <ul style="list-style-type: none"> •Operating temperature: -40 to 85°C (carrier board) •Storage temperature: -40°C to 85°C •Relative humidity: 40 °C @ 95%, Non-Condensing |
| Camera Inputs | 1x 120pin for GMSL camera board |
| USB | <ul style="list-style-type: none"> •1x USB 3.2 Type-C for BSP install (OTG) •4x USB 3.2 Type-A •Optional 8x USB3.2 Type-A (via daughter board) |
| JTAG | 10pin |
| Storage | 2x NVMe M.2 Key M 2280 |
| TPM | TI SLB9672XU2.0 on board |

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| Model | D331 |
| Expansion Header (TBD) | <ul style="list-style-type: none"> •30pin header: 1xUART, 1xI2C, 3xGPIO, 1xSPI, 4xCAN BUS, •12pin header: 1x12V(Maximum 0.7A), 1x5V(Maximum 1A), 1xGND •16pin wafer for more GPIO & External Button: <ul style="list-style-type: none"> OOB*: 1xUART, 1xDebug UART, 1xPower button, 1xReset button External Buttons: 1xPower Button, 1xReset button, 1xRecovery button 1xPWR_LED (via external button cable) •16pin wafer : 4xPWM & More GPIO •2x 40pin coaxial connector for PCIe expansion (daughter board) |
| GPS | Optional Dual-RTK GNSS support (via daughter board) |
| Sensor | Temperature sensor for PCB top/bot Temperature measurement |
| Power requirement | ATX 4pin & terminal block, 24~54V +/- 5% DC Input |
| Thermal Solution | Fan solution (12V fan wafer) |
| Buttons | Power and Recovery |
| LED | 1x system power 1x input power |
| RTC Battery | Support RTC battery and battery life monitoring by MCU |
| PCB/Electronics Mechanical Info | W: 170mm x L: 170mm (TBD) Weight: 250g (TBD) |
| Certifications | CE, FCC, VCCI, KC (TBD) |
| Package | 1x Carrier board Screws Nuts |