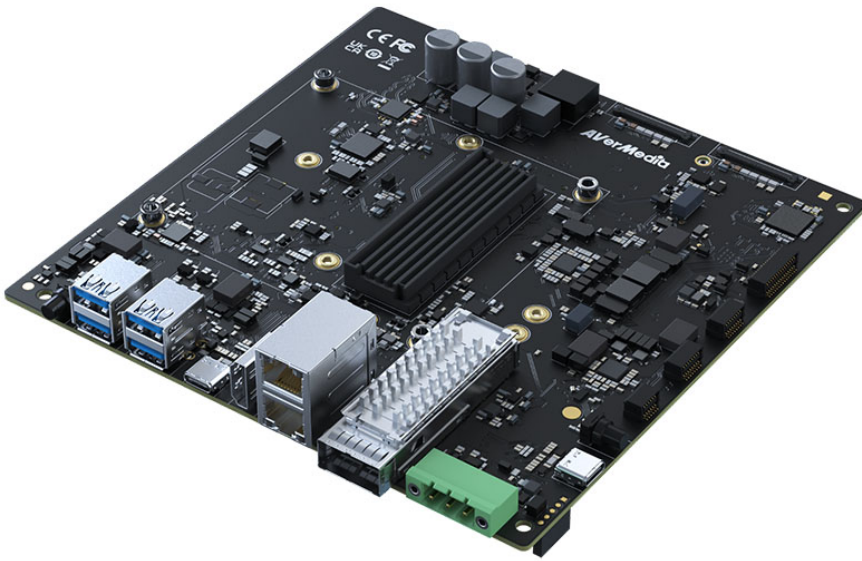


1389.00 EUR

incl. 19% VAT, plus [shipping](#)

- NVidia Jetson Thor !



AVerMedias 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

**Model**

Type

NVIDIA Module Compatibility

**D331**

Carrier board

NVIDIA Jetson T5000

|                                 |                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Networking                      | •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                  | 1x HDMI output 3840 x 2160 at 60Hz                                                                              |
|                                 | 1x Type C DP mode                                                                                               |
|                                 | 2x HDMI output (Optional)                                                                                       |
|                                 | •Operating temperature: -40 to 85°C (carrier board)                                                             |
| Temperature                     | •Storage temperature: -40°C to 85°C                                                                             |
| Camera Inputs                   | •Relative humidity: 40 °C @ 95%, Non-Condensing                                                                 |
|                                 | 1x 120pin for GMSL camera board                                                                                 |
| USB                             | •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                                                                                        |
|                                 | •30pin header: 1xUART, 1xI2C, 3xGPIO, 1xSPI, 4xCAN BUS, 1xI2S, 5V(Maximum 0.7A), 3.3V(Maximum 0.7A)             |
|                                 | •12pin header: 1x12V(Maximum 0.7A), 1x5V(Maximum 1A), 1x3.3V(Maximum 1A) power Output, 1xUSB 2.0, 1xDMIC        |
|                                 | •16pin wafer for more GPIO & External Button:                                                                   |
|                                 | OOB*: 1xUART, 1xDebug UART, 1xPower button, 1xReset button, 1x Power detect (via out-of-band management module) |
|                                 | External Buttons: 1xPower Button, 1xReset button, 1xRecovery button                                             |
| Expansion Header (TBD)          | 1xPWR_LED (via external button cable)                                                                           |
| GPS                             | •16pin wafer : 4xPWM & More GPIO                                                                                |
|                                 | •2x 40pin coaxial connector for PCIe expansion (daughter board 8xPoE/8xUSB )                                    |
|                                 | Optional Dual-RTK GNSS support (via daughter board)                                                             |
|                                 | Temperature sensor for PCB top/bot Temperature measure                                                          |
|                                 | ATX 4pin & terminal block, 24~54V +/- 5% DC Input                                                               |
|                                 | Fan solution (12V fan wafer)                                                                                    |
| Sensor                          | Power and Recovery                                                                                              |
| Power requirement               | 1x system power                                                                                                 |
| Thermal Solution                | 1x input power                                                                                                  |
| Buttons                         | Support RTC battery and battery life monitoring by MCU                                                          |
| LED                             | W: 170mm x L: 170mm (TBD) Weight: 250g (TBD)                                                                    |
| RTC Battery                     | CE, FCC, VCCI, KC (TBD)                                                                                         |
| PCB/Electronics Mechanical Info | 1x Carrier board                                                                                                |
| Certifications                  |                                                                                                                 |
| Package                         | Screws                                                                                                          |
|                                 | Nuts                                                                                                            |