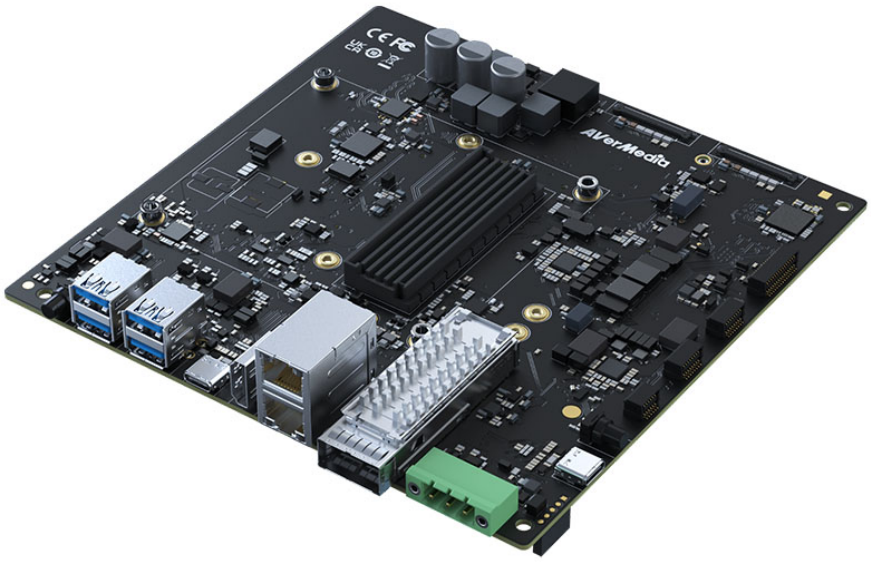

1389.00 EUR
incl. 19% VAT, plus shipping

- 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	**D331**
Type	Carrier board
NVIDIA Module Compatibility	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)
Temperature	•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	•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
Expansion Header (TBD)	•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 1xPWR_LED (via external button cable) •16pin wafer : 4xPWM & More GPIO •2x 40pin coaxial connector for PCIe expansion (daughter board 8xPoE/8xUSB)
GPS	Optional Dual-RTK GNSS support (via daughter board)
Sensor	Temperature sensor for PCB top/bot Temperature measure
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