849.00 EUR
incl. 19% VAT, plus shipping

- Ruggedized !
- Wide voltage range !
- Wide temperatur range !
- Rich I/O !

Speed up your industrial and enterprise edge deployments with the VIA AMOS-3007. Powered by a high-performance fanless 1.5GHz Intel® Atom® quad-core processor, this ruggedized embedded system provides a versatile and ultra-reliable solution for the most demanding outdoor and indoor environments.

The system's rich I/O feature set enables flexible configurations for a diverse array of industrial equipment monitoring, data visualization, process automation, and building management use applications. Dual screen support, dual Gigabit Ethernet, and optional Wi-Fi and 4G/5G modules further enhance system functionality.

Hardware
Powered by a fanless 1.5GHz Intel® Atom® quad-core processor, the VIA AMOS-3007 ruggedized embedded system delivers advanced performance for wide array of compute, information display, Industrial IoT, fleet management, and related edge use cases.

With its ruggedized ultra-compact form factor measuring just 170mm (W) x 48.5mm (H) x 126mm (D) and Wall and VESA mounting options, the VIA AMOS-3007 can be easily deployed in even the most space-constrained locations. Its wide operating temperature range from -20°C to 70°C ensures reliable operation in the most demanding environments.

Comprehensive support for modern and legacy peripherals and displays is provided by the system's rich I/O feature set that includes two Gigabit Ethernet, two USB 3.0, two lockable USB 2.0, two RS-232/422/485 COM, and one DIO port for 8-bit GPIO as well as two HDMI connectors supporting dual displays. Internal expansion options include three M.2 slots for SATA storage and wireless expansion modules, one SIM card slot, and one DDR4 SODIMM slot that supports up to 32GB memory.

The VIA AMOS-3007 ruggedized embedded system is available for purchase along with optional Wi-Fi & Bluetooth, 4G LTE, and 4G LTE + GPS M.2 modules.

Software
The VIA AMOS-3007 is compatible with Microsoft® Windows® 10, Microsoft® Windows® 11, and the most popular Linux distributions.

Applications
With its ruggedized design, rich networking connectivity options, and a host of extendable I/O options, the VIA AMOS-3007 is the ideal solution for a wide range of embedded IoT, and machine-to-machine applications.

Successor model to AMOS-3005

VIA AMOS-3007-1Q15A0 Industrial-PC/CarPC (1.5GHz Intel Atom, 9-36VDC, 2x LAN, -20° to 70°C Extented temperature range) [FANLESS]
[http://www.cartft.com/catalog/il/3393]

Model Name	AMOS-3007
Processor	1.5GHz Intel® Atom® Quad Core Processor
BIOS	AMI BIOS, 256Mbit Flash Memory
System Memory	1 DDR4 SODIMM Socket Up to 32GB memory size
Storage	1 M.2 slot for storage (SATA) 1 SATA w/ power connector for 2.5" SSD
Graphics	Integrated Intel Graphic Gen 11-Low Power Supports OpenCL*1.2, OpenGL 4.5, OpenGL-ES 3.2, Vulkan v1.1, DirectX
Audio	Realtek ALC888S-VD2-GR High Definition Audio Codec
Display I/O	2 HDMI ports Supports dual display
USB	2 USB 3.0 ports, 2 Lockable USB 2.0 ports
LAN	2 Realtek RTL8111H-CG Gigabit Ethernet controllers
COM	Integrated in Fintek F81216ED
Expansion I/O	1 M.2 slot for Wi-Fi, 1 M.2 slot for LTE, 1 x SIM card slot 2 Lockable USB 2.0 ports 2 COM ports for RS-232/422/485
Front Panel I/O	1 Red LED for HDD activity 1 Green LED for power status 1 Power Button 4 Antenna holes for LTE & Wi-Fi
Back Panel I/O	2 HDMI ports 2 USB 3.0 ports 2 Gigabit Ethernet ports 1 DIO port for 8-bit GPIO 2 Audio jacks: Line-out and Mic-in 1 2-pole Phoenix DC jack
Power Supply	9 ~ 36V DC-in (typical: xxxW)
Operating System	Windows 10/11, Linux
Power Management	Wake-on LAN, keyboard wake-up, RTC power-on, system power management, AC power failure recovery, Watch Dog timer (System reset; programmable 1-255 sec)
Operating Temperature	-20°C ~ 70°C (with qualified industrial grade M.2 SSD)
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)
Storage Temperature	-20°C ~ 70°C
Vibration Loading During Operation	With M.2 Flash Drive: 3Grms, IEC 60068-2-64, random, 5 ~500Hz, 1hr/axis
Mounting	Wall/VESA mountable
Dimensions	170mm(W) x 48.5mm(H) x 126mm(D) (6.69" x 1.90" x 4.96")
Weight	1kg (2.2lbs)
Compliance	CE, FCC, UKCA (w/o LTE & Wi-Fi), pre-scan for E-Mark