







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



Front Panel I/O

Back Panel I/O

Power Supply

Operating System

Power Management

Operating Humidity

Storage Temperature

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.minipc.de/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

Integrated Intel Graphic Gen 11-Low Power

Graphics 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-232/422/4851 Red LED for HDD activity1 Green LED for power status

1 Power Button

4 Antenna holes for LTE & Wi-Fi

2 HDMI ports 2 USB 3.0 ports

2 Gigabit Ethernet ports1 DIO port for 8-bit GPIO

2 Audio jacks: Line-out and Mic-in

1 2-pole Phoenix DC jack

9 ~ 36V DC-in (typical: xxxW)

Windows 10/11, Linux

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 $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (with qualified industrial grade M.2 SSD)

0% ~ 95% (relative humidity; non-condensing)

-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