

VIA AMOS-825 Industrial-PC/CarPC (1.0GHz i.MX 6Quad Cortex-A9, 9-36VDC, 1GB RAM/16GB eMMC)

[http://www.cartft.com/catalog/il/2743]

999.00 EUR

incl. 19% VAT, plus shipping



Support: 🔼 Specifications

Enhance commercial fleet safety and efficiency with the AMOS-825 system Powered by a 1.0GHz NXP i.MX 6Quad Cortex-A9 quad-core SoC, this fanless small form factor system has been specifically designed for demanding compute-intensive fleet management, navigation and infotainment applications. Featuring a 1.0GHz NXP i.MX 6Quad ARM Cortex-A9 quad-core SoC, the VIA AMOS-825 delivers a highly-capable and power-efficient system for compute- and multimedia-intensive in-vehicle infotainment and navigation applications.

With its 3G networking support (provided separately through an optional expansion card) and its rich connectivity, the AMOS-825 can serve as a powerful data collection and control center on the go within vehicles. GPS, Wi-Fi, Ethernet, USB, COM, and HDMI ports make connecting devices very easy. A completely fanless system with a ruggedized design and automotive compatible power options make it into your one-stop solution for in-vehicle applications.

Model Name Processor System Memory Storage

Boot Loader

Graphics

LAN

Wi-Fi/Bluetooth/GPS

Audio **USB** CAN

AMOS-825

1.0GHz NXP i.MX 6Quad Cortex-A9 quad-core SoC

1GB DDR3 SDRAM onboard 16GB eMMC Flash memory 4MB SPI Flash ROM

Vivante GC2000 GPU

3 independent, integrated 3D/2D and video graphics processing units

Graphics engine supporting OpenGL® ES 2.0, OpenCL and

OpenVG[™] 1.1 hardware accleration Supports MPEG-2, VC-1 and H.264 video decoding up to 1080p

Supports SD encoding

Micrel KSZ9031RNX Gigabit Ethernet transceiver with RGMII support

IEEE 802.11b/g/n Wi-Fi

Bluetooth 4.0

MAX-7 u-blox 7 GPS/GNSS

NXP SGTL5000 low power stereo codec

SMSC USB2514 USB 2.0 high-speed 4-port hub controllers

TI SN65HVD1050 EMC optimized CAN transceiver



Mechanical Construction

Mounting

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1 miniPCle slot Expansion I/O 1 Micro USB 2.0 OTG port 1 9-pin D-sub connector (supports 2 CAN bus and 1 COM TX/RX for debug) 1 SCSI 50-pin D-sub connector (Backlight power, Dual-channel LVDS, 4 GPIO, I2C, Line-out and Mic-in) Front Panel I/O 1 Mic-in 1 Reset button 2 LEDs for power & WPAN/WWAN/WLAN status 1 Antenna hole 1 4-pole Phoenix DC jack 2 USB 2.0 ports Back Panel I/O 1 Gigabit Ethernet port 2 Antenna connectors for Wi-Fi/BT and GPS Power Supply 9 ~ 36V DC-in (typical: 7W) Operating System Android 6.0 VIA Smart ETK Watchdog timer, CAN bus Operating Temperature 0°C ~ 60°C Operating Humidity 0% ~ 90% @ 45° C (non-condensing) With onboard eMMC 7Grms, IEC 60068-2-64, random, 5 ~ 500Hz, Vibration Loading During Operation 1hr/axis With onboard eMMC 70G, IEC 60068-2-27, half sine, 11ms **Shock During Operation** duration Open window with removable door plate to access Micro SD and **Bottom Opening Covers**

miniPCIe slots

Aluminum top chassis housing Metal chassis housing Dual

removable front & rear metal face plate

Wall/DIN Rail/VESA mountable