VIA AMOS-825 Industrial-PC/CarPC (1.0GHz i.MX 6Quad Cortex-A9, 9-36VDC, 1GB RAM/16GB eMMC) [FANLESS]
[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	AMOS-825
Processor	1.0GHz NXP i.MX 6Quad Cortex-A9 quad-core SoC
System Memory	1GB DDR3 SDRAM onboard
Storage	16GB eMMC Flash memory
Boot Loader	4MB SPI Flash ROM
Graphics	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
LAN	Micrel KSZ9031RNX Gigabit Ethernet transceiver with RGMII support
Wi-Fi/Bluetooth/GPS	IEEE 802.11b/g/n Wi-Fi Bluetooth 4.0 MAX-7 u-blox 7 GPS/GNSS
Audio	NXP SGTL5000 low power stereo codec
USB	SMSC USB2514 USB 2.0 high-speed 4-port hub controllers
CAN	TI SN65HVD1050 EMC optimized CAN transceiver

Expansion I/O	1 miniPCIe slot 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)
Vibration Loading During Operation	With onboard eMMC 7Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1hr/axis
Shock During Operation	With onboard eMMC 70G, IEC 60068-2-27, half sine, 11ms duration
Bottom Opening Covers	Open window with removable door plate to access Micro SD and miniPCIe slots
Mechanical Construction	Aluminum top chassis housing Metal chassis housing Dual removable front & rear metal face plate
Mounting	Wall/DIN Rail/VESA mountable