**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.

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| 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<br>3 independent, integrated 3D/2D and video graphics processing units<br>Graphics engine supporting OpenGL® ES 2.0, OpenCL and OpenVG™ 1.1 hardware accleration<br>Supports MPEG-2, VC-1 and H.264 video decoding up to 1080p<br>Supports SD encoding |
| LAN | Micrel KSZ9031RNX Gigabit Ethernet transceiver with RGMII support |
| Wi-Fi/Bluetooth/GPS | IEEE 802.11b/g/n Wi-Fi<br>Bluetooth 4.0<br>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 |

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| Expansion I/O | 1 miniPCIe slot<br>1 Micro USB 2.0 OTG port<br>1 9-pin D-sub connector (supports 2 CAN bus and 1 COM TX/RX for debug)<br>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<br>1 Reset button<br>2 LEDs for power & WPAN/WWAN/WLAN status<br>1 Antenna hole<br>1 4-pole Phoenix DC jack<br>2 USB 2.0 ports |
| Back Panel I/O | 1 Gigabit Ethernet port<br>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 |