



Embedded Systems

VIPRO VP7815

Fanless Panel PC with 15" TFT LCD and Touch Screen



The VIPRO VP7815 is an entirely fanless panel PC featuring a 15" TFT LCD and resistive or capacitive touch screen, the ideal solution for a variety of industrial and commercial scenarios, especially advanced outdoor HMI applications. Designed to be rugged and durable, the VIA VIPRO VP7815 features an IP65 compliant LED backlit panel that can withstand temperatures of -20°C to 60°C. Industry-leading device interactivity is assured with touch panel navigation, an integrated two megapixel autofocus IP camera, microphone and speakers.

Created using the VIA ART 3000 embedded box PC, the VIPRO VP7815 is powered by a 1.3GHz VIA Nano processor and the VIA VX800 media system processor, featuring DX9 integrated graphics, crystal clear HD audio, Gigabit networking, four COM ports and four USB ports.

Key Features include:

- Fanless and ultra low power consumption
- Built-in VIA new generation of 1.3GHz Nano™ processor with L2 cache 1MB memory
- 15" TFT LCD panel with 5-wire resistive or capacitive touch screen
- Built-in 2M CMOS camera, speakers and microphone on the front
- Integrated VIA Chrome9™ HC3 DX9 3D/2D graphics & video processor with MPEG-2/4 and WMV9 decoding acceleration
- Supports two Gigabit Ethernets, four COM ports and four USB 2.0 ports
- IP65 front panel compliant against water and dust

The VIA VIPRO VP7815 supports one external VGA port plus a 24-bit LVDS signal through DB-26 connector. VIA VIPRO products use high quality 700 cd/m2 luminous backlit LED displays that are fully IP65 compliant against water and dust, providing an 80° horizontal and 70° vertical viewing angles.

ART-3000

A complete, fanless and ruggedized embedded box computer ready to serve a broad range of commercial and industrial applications



The VIA ART 3000 is a complete embedded box system based on the unique I/O-rich VIA EITX-3000 board, offering customers the ideal solution for a variety of industrial and commercial scenarios that include the latest kiosk, POI, digital signage and industrial automation.

The VIA ART-3000 supports wall, table, reverse and VESA mounting options and is suitable for harsh and demanding environments, withstanding temperatures of -20°C - 60°C, vibrations of up to 5Gs and is shock resistant up to 20Gs in compact flash storage configurations.

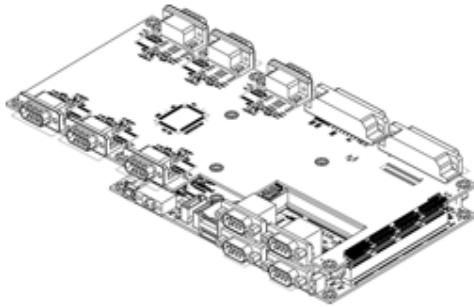
Key Features include:

- Completely fanless
- Ruggedized design
- Dual I/O coastlines
- Diverse feature set
- Various mounting options

The VIA ART-3000 is built around the VIA EITX-3000 board which is based on the Em-ITX form factor standard. The VIA EITX-3000 is powered by a 1.3GHz VIA Nano processor and the VIA VX800 media system processor with support for up to 2GB of DDR2 system memory, integrated VIA Chrome 9 graphics core and the VIA Chromotion video engine for hardware acceleration for the latest HD video codecs.

The versatile VIA ART-3000 supports up to three displays and two independent content streams across both dual LVDS and VGA with networking provided through dual Gigabit ports. An array of COM and USB ports provide a wealth of device and peripheral connectivity.

VIA Em-ITX Board Form Factor: with Dual I/O Coastlines



Building on VIA's reputation as a global leader and pioneer of ultra compact x86 system design in embedded single board computer markets, Em-ITX is the first form factor specification to specify two I/O coastlines making it suited to the development of versatile, scalable, ultra-slim embedded devices.

Using an extended dual I/O coastline, the VIA developed Em-ITX form factor is an open industry standard that forms the ideal base for industrial automation, digital signage, kiosk and other applications requiring an ultra-slim embedded device.

Forthcoming boards based on the VIA Em-ITX standard will take advantage of VIA's fully scalable processor platforms. Industrial automation customers can develop fanless, ultra power-efficient devices using the VIA Eden processor, while to high-end digital signage devices can be brought to market using the latest 64-bit VIA Nano processor.

Em-ITX Key Features:

Dual I/O Coastlines

The VIA developed Em-ITX form factor specification includes dual I/O coastlines; I/O inputs can be found on both 17cm edges of the board. This unique design greatly reduces cable clutter facilitating even more compact and robust designs while also boosting signal integrity and improving airflow.

Modular Expansion through Em-IO Bus

The Em-ITX form factor uses the specially developed Em-IO expansion bus to integrate with stackable, customizable, expansion modules. The Em-IO expansion bus integrates the majority of legacy and the latest bus signal technologies.

Faster Time to Market Cycles

VIA has also designed a selection of expansion modules covering a variety of industrial applications. These expansion modules bring all the advantages of custom designed boards without the necessary development time.

