



Industrial Grade Embedded Computers 2011

A wide range of embedded computer products is available from Unitronix covering industrial form factors and standards such as NEMA, Hazardous environments, IP68/ 67/ 66/ 65, as well as multiple levels of ruggedisation for survival in different environmental conditions including extended temperatures and shock / vibration. This brochure showcases just a few of the products available.

VARTECH Rugged displays and computers for extreme applications.



VTPC500VS C1/D1 non purged certified fully enclosed LCD Computers tested, examined, by Met Laboratories and found to comply with the applicable requirements of UL60950-1/CSA C22.2 Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations



VT104XA4 is a waterproof ruggedized LCD display which is even fully submersible to NEMA 6 (IP67) standards. This SVGA resolution display system (optional XGA) is fully **sunlight readable** with **1000 nits LED driven backlight brightness**



VT121PHBL Low Power, High Bright, NEMA 4, **Advanced Proprietary Thermal Management System**, Readable in Sunlight, High Ambient Light and Night Conditions, **1700 nits typical**, Optional Auto Dimming beyond 500:1, Optional Capacitive or Resistive Touch Screen



All-Weather Outdoor wide screen, IP 65 rated LCD's

Sunlight readable VBOND optically bonded large widescreen digital LCD displays, deliver ultra enhanced contrast ratios and anti-reflection. 37", 42", 47", and 52" are 1080p True High-Def. Touch screens are available on 32", 42" and 47" sunlight readable widescreen models. Mechanical configurations include VESA, chassis, and bench top mount models.

EVOC Huge Range of Embedded PC's and Industrial computing boards and systems solutions.



NEW EVOC EIC-2403-10 4U 19" rack mount Industrial PC. Latest Core2Duo motherboard with 14 slot passive backplane. Supports EVOC EPI bus for high reliability applications.



NEW EVOC MEC-9202-02 2U 19" Rackmount Industrial Computer. Intel Core2Duo E6600 @ 2.4GHz with 4Gbytes memory and 2 x Gig E, 6 USB, 8 RS232/422/485 and 8 x Digital IO ports. 2 x PCI expansion slots.



New EVOC 7" Low Power Panel PC. X Scale PXA270 CPU running Linux or Windows CE. 1 x Ethernet, 1 x USB, 4 x RS232, 12VDC Power.



New EVOC PPC-0601 6.5" TFT LCD. AMD Geode LX800 CPU with integrated graphics controller, 2 x Ethernet and watchdog timer. Linux, Win XP, Win CE

Other products in EVOC range include:
Passive Backplanes
Single Board Computers
Power Supplies
Industrial computers
Rack mount servers

VERSALOGICS Embedded CPU Boards and Peripherals for applications that require long life cycle availability of hardware for 7 years plus.



MAMBA EBX SBC with Core2Duo
 Very high-performance Intel Core 2 Duo processor with up to 8 GB RAM, dual gigabit Ethernet, on-board analog and digital I/O, Mini Card socket, eUSB flash interface, and SPX expansion.
-40 to +85 C Operation.



LEOPARD PC/104Plus with Core2Duo
 Very high-performance 2.26 GHz (commercial temp.) Intel Core 2 Duo processor with up to 4 GB RAM, dual gigabit Ethernet, MiniBlade flash socket, eUSB flash interface, and SPX expansion.
-40 to +85 C Operation



TOMCAT PC/104Plus SBC with Vortex86DX Processor
 Low power Vortex86DX processor with up to 512 MB soldered-on RAM, Fast Ethernet, CompactFlash socket, and fanless operation.
-40 to + 85 C Operation



VL-EPMs-U1 SUMIT-104 Serial Comms + GPS Receiver
 Serial communications module with support for SUMIT and PC/104 stackable expansion buses. Features on-board GPS receiver.
-40 to +85 C Operation

Life Cycle Stewardship: Careful design and parts selection, with an emphasis on partnering and second-sourcing, enables us to continue manufacturing most board-level products for 5 to 10 years without modification.

Quality Assurance and Testing: All VersaLogic industrial computer products are designed and manufactured with the highest standards of workmanship and full attention to the quality of each component.

High Reliability Design: Extensive embedded system design experience, combined with conservative component rating and thorough R&D testing, contribute to our extremely reliable products. Our boards have an outstanding track record and impressive Mean Time Between Failure (MTBF) ratings.

Vehicle PC, GPS / GPRS / WiFi



Acrosser Boxed PC, AR-ES5432FL Intel ATOM, fanless operation, upto 2GB DDR2 Memory. VGA/DVI/LVDS/TV-Out, 4xCOM, 6xUSB2.0, 2xGbe, CF Socket, PCI-104 Expansion
0 to 60C Operation



Acrosser's AR-V5430FL fanless vehicle PCs/Bus PC which has anti-vibration, anti-shock, dustproof, and rugged design can be used in dirty, harsh, and extreme environmental conditions. Typical and various application are logistics services, and fleet management such as train, bus, taxis, public transportation, trash truck, police patrol car, and fire engine ..etc.,
..-20 to 50C Operation



Acrosser AR-B6050 ATOM N450 with High Speed DMI interface and built in GPU, upto 2GB memory. 3.5" small form factor, good processing power, but low power consumption. Dual LVDS and VGA, 2Giga LAN.



ACS-R1000/R1001 is the world's first x86 based fanless console server equipped with 16 RS-232/422/485 Multi-ports and 6 Multi-LAN ports. Enables the cost effective connection (on networks), to multiple serial devices, a neat and convenient solution for applications requiring multi serial port connection..

SENSORAY Embedded electronics for industrial, range of video capture / processing cards and industrial process control sensor interface over Ethernet.

High Definition Video Processor & Capture Card / Model 2246



USB MPEG Frame Grabber with Motion Detection / Model 2250



USB MPEG & JPEG Image Capture with Audio / Model 2251



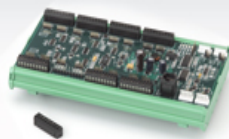
4 channels of uncompressed or JPEG video via USB / Model 2255



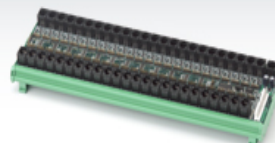
Industrial I/O via Ethernet The 2600 Series



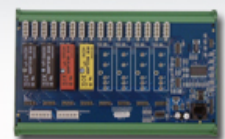
16 Analog Input Voltages via Ethernet / Model 2608



48 Digital I/O via Ethernet / Model 2610



Monitors and Controls any combination of SSRs / Model 2652



BRANDYWINE premier supplier of GPS and time code based precision time and frequency products, rack mounting solutions and board level.



Time Server products from Brandywine range from oven controlled oscillators to complete systems like the top of the line High Performance Timing System (HPTS). The Network Time Server uses GPS and the Network Time Protocol (NTP) to precisely synchronize the clocks in an unlimited number of computers that are installed on a TCP/IP based network. Several state-of-the-art time and frequency systems are available from Brandywine. The system product line includes single and dual-redundant models, GPS synchronization and a wide range of oscillator choices: TCXO, OCXO, high-stability OCXO and Rubidium types. GPS choices include both C/A code and SAASM models.

EVOC Embedded Industrial Computing Solutions, PICMG, EBX, PC104, COM Express.

EVOC PCI-64MF16 Industrial IO PCI card 64-channel single-end/32-channel differential analog input, 2-channel 12-bit DA analog output, 2-channel 32-bit programmable timercounter, 24-channel TTL digital IO



EVOC COM-8811CLDNA Ultra low power consumption COM Express module. Embedded Intel® Atom™ processor Z5xx series. Intel® System Controller Supports SDVO and 24-bit LVDS interface One Gigabit Ethernet or one Fast Ethernet.



EVOC FSC-1813V2NA PICMG1.3 specification compliant Supports latest Intel® Core™ 2 Duo, Intel® Core™ 2 Quad processor Supports up to 4GB of dual-channel DDR2 667/800 memory G31 chipset integrates Intel® GMA3100 high performance graphic controller Onboard 2 x GbE Controller Supports 8 x USB2.0, 2 x RS-232, 1 x parallel, 4 x SATA, 1 x IDE, 1 x FDD

For further information on these products or for technical support call: UNITRONIX Pty Ltd

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