



D I G I T A L T E C H N O L O G I E S F O R A B E T T E R W O R L D



ICN

INDUSTRIAL, COMMERCIAL & NETWORKING

EUROTECH

Eurotech is a leading international technology group with headquarters in Italy and facilities throughout Europe, America and Asia. The Group's main focus is on the development of cutting-edge technologies that make our life better, safer, and more comfortable.

The fundamental assumption behind Eurotech's business strategy is the concept that as important technologies spread, they become increasingly integrated into our life, becoming nearly invisible.

Eurotech's role today is to support its customers in Industrial markets and to identify new customers in the emerging markets breaking traditional boundaries via innovation.

With this vision in mind, Eurotech has oriented its R&D activities to the key high-growth sectors, like pervasive computation. Their goal is to develop innovative, integrated solutions (software, hardware, middleware and support services) that offer the flexibility and scalability needed to capture new market opportunities and integrate them in the traditional markets.



Eurotech's strategy, which couples standard solutions with a flexibility that allows customization and innovation, has made them one of the world leaders in high technology for computer miniaturization.



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- ▶ **Wearable Computers**
- ▶ **People Counter**
- ▶ **Stationary Computers**
- ▶ **Panel Computers**
- ▶ **LCD Industrial Monitors**



ICN

**INDUSTRIAL,
COMMERCIAL
& NETWORKING**

- ▶ **Stationary Computers**
- ▶ **Mobile Computers**
- ▶ **Wearable Computers**



DSA

**COTS PRODUCTS FOR
SECURITY, DEFENCE AND
AEROSPACE**

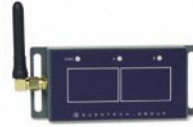
- ▶ **Wearable Computers**
- ▶ **Mobile Computers**
- ▶ **Mobile Network Devices**
- ▶ **Video Processing Devices**



TMS

**TRANSPORTATION,
MOBILITY
& SURVEILLANCE**

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KEY FEATURES

- ▶ **Long Term Availability**
- ▶ **Industrial Operating Temperature**
- ▶ **Efficient and Secure Connections**

Our expansive offering in Industrial & Commercial markets (Compact & Industrial Computers, Panel Computers, Networking, Wearable PCs) is bolstered by the design and manufacturing of the entire solution, from boards to systems, typically characterized by long-term availability and reliability. New frontiers with automation also involve technologies dealing with the management of LANs, wired and wireless, fundamental to collecting data from mobile devices and Wearable PCs.

Our portfolio is suited to a wide range of sectors: industrial (packaging, mechanic assembly lines, hydraulic presses etc.), telemetry, process control and many other demanding applications. Our systems also provide a wide range of certified middleware that guarantee system integrators a short time to market and easy to use solutions.

Special attention is dedicated to designing and developing systems using standardized components, in order to ensure availability and maintenance. This long term commitment is also based on long life CPUs and our technical support for operating systems such as Linux, Windows CE and XP Embedded.

From an OEM perspective, our international engineering team can also design and manufacture a “tailor-made” hardware with optimized operating system configurations and complete packaged system solutions.

Zypad WL1100



Industrial Design by
Lineaguida

Application	Professional Data Acquisition and Management
Display	3.5" TFT 320x240 with touch screen
Memory	128 MB RAM/128 MB FLASH – Mini STDIO Memory Expansion
Battery Life	Up to 8hrs (*)
Positioning	12 channel GPS receiver
Wireless Connectivity Standards	Wi-Fi 802.11 b/g; Bluetooth class 2 (optional ZigBee version)
Weight	290 g with battery and wrist band
Operating Temperature	-10/+50°C

(*) depends on features activated





PCN-1001



Application	Automatic people counting
Technology	Contactless stereoscopic vision detection
Interfaces	RS485 interface, 2+2 digital I/O, USB (service)
Mechanical	IP65 sealed magnesium enclosure
PSU	DC/DC 9-32VDC
Standards	EN50155, 2004/104/EC
Accessories	Starter Kit, configuration software
Operating Temperature	EN50155 T1 (-25°C to +55°C – 70°C for 10 minutes)



ZyWAN



Application

Cellular Routing Modem
AVL (Automatic Vehicle Locating)
Telemetry, Command & Control
Mobile Computing

Features

PXA270 @ 520MHz XScale processor; up to 64 MB of soldered SDRAM / 64 MB Flash; 2x RS232 and 1x RS-232/422/485 serial port; 2x USB 1.1; 2x Ethernet 10/100 Mbps; Serial MMI or Telnet

Router Functions

DHCP; Routing; Firewalling; Security AES, 3DES, SSH, IPsec; NAT (Network Address Translation); Terminal server and client, DSN client

Form Factor

Panel Mount

Wireless Connections

GSM, GPRS, 3G, 802.11b, ZigBee

Positioning

GPS with 12 channel continuous tracking receiver

Compliance

FCC/CE/PCTRB

Dimensions

238mm x 137mm x 65mm (W x L x H)

Operating System

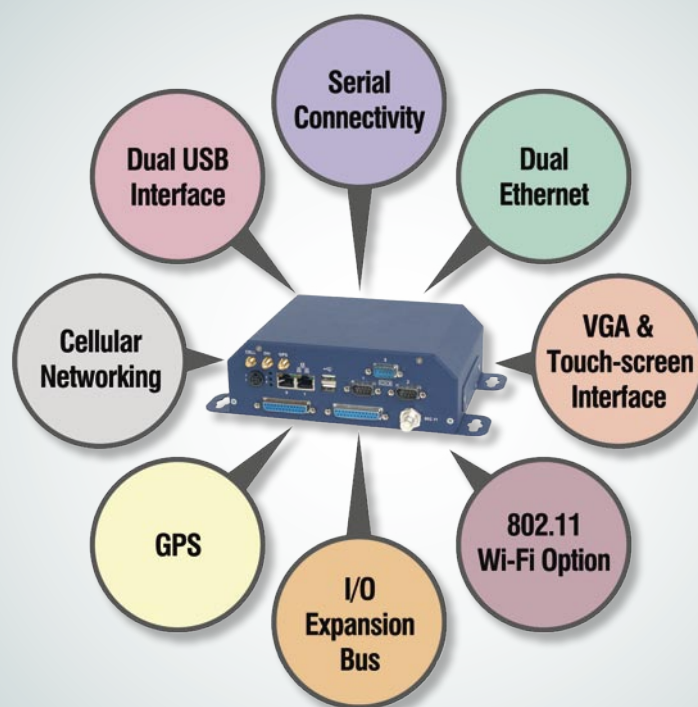
Linux (kernel 2.6)

Power Supply

10 – 30V DC protected - 8W

Operating Temperature

-20 to +60°C (-4 to +140°F), With WLAN 0° to +50°C (+32 to +122°F)





ZED

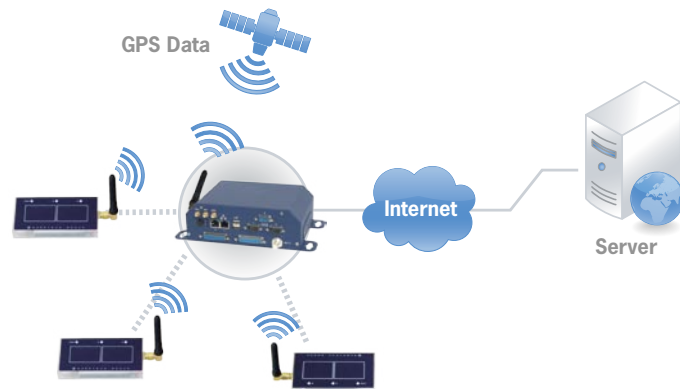


WPAN	2.4 GHz low power transceiver for IEEE 802.15.4 and ZigBee standards 16 selectable channels
Sensors	Through external sensor head
Battery	Internally Li-Ion battery pack
LEDs	1 charging functionality 2 programmable LEDs / 1 charge LED
Buttons	2 programmable buttons
Port	1 port for head sensors connection
Memory	128 KB on-board memory (optional)
Antennas	External
RTC	Internal Real Time Clock
Power Supply	Internal rechargeable battery External 5 VDC
Weight	<40 g
Dimensions	105.0 x 45.0 x 15.9 mm (L x W x H)
Operating Temperature	Ranges: Charging: 0° to +45°C Discharging: -20° to +60°C

REFRIGERATORS AND FRIDGES TEMPERATURE MONITORING



SMART MONITORING SYSTEM



PLAYER VIP



Processor	MIPS CPU with Sunplus MPEG-4/MPEG-2 decoding engine
Memory	32 MB DRAM
Media Source	10/100Mbit Ethernet; 802.11 Wi-Fi; CF-card slot
Decoding	MPEG-4/MPEG-2
Video Out	NTSC/PAL composite video output
Audio	Stereo Output
I/O	USB 1.1 host port; RS-232 serial port; Compact Flash (Type II) slot; 10/100 Mbit Ethernet; Status LEDs
WLAN	IEEE 802.11 b/g (optional)
Other	Browser-accessed video control
Power Supply	110 to 240Vac 50 to 60 Hz input and 12VDC output
Operating Temperature	0° to +60°C (+32° to +140°F)
Storage Temperature	-20° to +70°C (-4° to +158°F)
Compliance	CE FCC
Dimensions	140x105 mm (5.5" x 4.1")
Weight	Approx. 350g

PLAYER VIP-HD



Processor	SIGMA Designs CPU @ 200 MHz
Memory	128 MB SDRAM
Media Source	10/100Mbit Ethernet; CF-card slot
Decoding	JPEG decoding (hardware accelerated)
Video Out	Analog CRT, S-Video, HDMI
Audio	Stereo Output
I/O	USB 1.1 host port; RS-232 serial port; Compact Flash (Type II) slot; 10/100Mbit Ethernet
WLAN	IEEE 802.11 b/g (optional)
Other	Browser-accessed video control
Power Supply	110 to 240Vac 50 to 60 Hz input and 12VDC output
Operating Temperature	0° to +60°C (+32° to +140°F)
Storage Temperature	-20° to +70°C (-4° to +158°F)
Compliance	CE FCC
Dimensions	170x105 mm (6.7" x 4.1")
Weight	Approx. 400g





HELIOS



Processor Memory Interfaces

Atom™ Z5xx processor at 1.1 GHz (up to 1.6 GHz options)

Up to 2GB DDR-2 DRAM

USB Bay with 3x USB 2.0 host ports (H/F/L speeds) for wireless devices and storage, 3x external antenna connections to the USB Bay, 2x general-purpose USB 2.0 host ports (H/F/L speeds), 1x Gigabit Ethernet port, EIA-232 or EIA-485 serial port (software-selectable), GPS with external antenna connection (option)

Graphics/ Video

Multimedia card support for display and audio options

Other Features

8x software-controlled LED status indicators, Software-readable push-button, Battery-backed real-time clock, Power management support, Mounting options

Expansions

2 GB Compact Flash® card (SD card option), On-board PATA flash (option), Internal SATA drive (option)

Power Supply

12V DC (up to 36 V vehicle power input option)

Dimensions

25.9 x 12.1 x 4.5 cm

Operating System

Wind River Linux 3.0, Windows® Embedded Standard, Windows® CE 6.0

Operating Temperature

40°C to +85°C (0°C to 70°C for 1.6 GHz option)

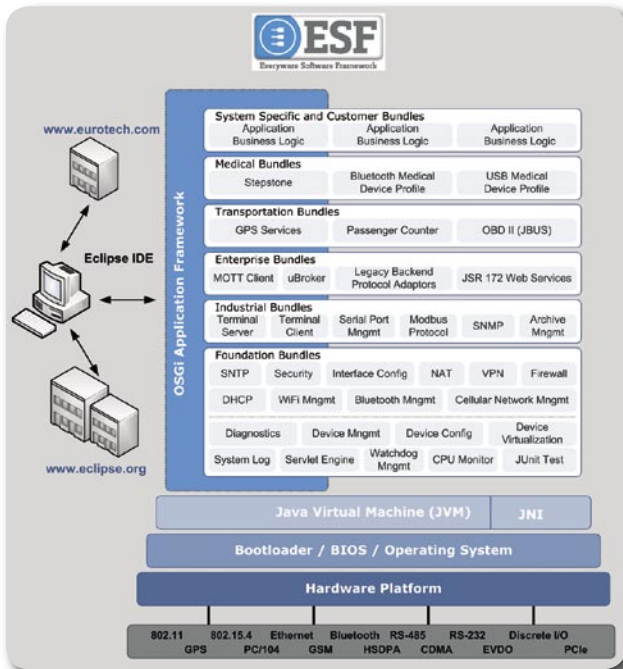


Everyware Software Framework

* Eurotech's Everyware™ Software Framework (ESF) is a newly distributed development platform for Eurotech's range of embedded computers and systems that enables programmers to quickly develop applications using the Equinox IDE and Java ME virtual machine.

BENEFITS:

- Quick development and faster time to market with Equinox OSGi Application Framework
- Portable, secure, network-centric application development using JavaME Virtual Machine
- Broad industry support and flexibility using Wind River 3.0 Linux
- Flexible development environment with hardware virtualization via extensive Java Plug-ins (bundles) that can be seamlessly ported across platforms
- Easy integration into industry standards such as Bluetooth, GPS, ZigBee, Ethernet and much more
- Available on several Eurotech hardware platforms



PROTEUS ICE



Processor	Intel Atom Z530 Processor 1.6GHz (2.3W) Intel Atom Z510 Processor 1.1GHz (2W)
Memory	Up to 1GB DDR2 SDRAM 400/533MHz
Interfaces	1x Gigabit Ethernet, 2x USB 2.0, 2x PCI Express MiniCard socket, 1x Serial port, 1x Serial ATA, 1x MicroSD socket
Other Features	20-channel GPS receiver, Bluetooth or ZigBee wireless communications
Expansions	2x Mini PCI Express
Power Supply	8.5 to 25V DC (+12V nominal)
Dimensions	200x120x25 mm
OS Supported	Windows XP, XP Embedded, CE 6.0, Linux
Operating Temperature	0°C to +60°C



CATALYST EC ICE



Processor	Intel Atom Processor up to 1.6GHz
Memory	Up to 1GB DDR2 SDRAM 400/533MHz
Interfaces	4x USB 2.0, 2x RS232, 2x configurable RS232/422, 1x LVTT port, 1x MiniPCIe slot
Other Features	2x independent display outputs – LVDS video and analogue RGB, 4/5/8-Wire resistive touchscreen interfaces
Expansions	1x Mini PCI Express
Power Supply	8 to 16V main input power
Dimensions	238x137x65 mm (WxLxH)
OS Supported	Windows XP, XP Embedded, Wind River Linux 3.0, specific RTOS support (call for details)
Operating Temperature	-20°C to +70°C – Extended temperature option available



ZEUS ICE



Processor	PXA270 XScale @ 520MHz
Memory	128MB of soldered SDRAM/32MB Flash
Interfaces	2x Fast Ethernet, 2x USB ports, 2x RS232, 1x RS232/422/485
Other Features	VGA/Touchscreen: Standard DB15 RGB female option in place on third COM port; Optional GSM, GPRS, GPS; Security: 64/128-bit WEP/WPA Data Encryption (optional)
Expansions	1x PC/104
Power Supply	10 to 30V DC
Dimensions	238x137x65 mm (WxLxH) – Weight: 1.4 Kg
Mounting	Panel Mount
OS Supported	Linux 2.6 Eurotech optimized Kernel
Operating Temperature	-20°C to +65°C without 802.11 – 0°CX to +60°C with 802.11





BX-400F-N270



Processor	Intel Atom™ N270 1.6 GHz Ultra Low Voltage, 533 FSB, 512 KB cache (FANLESS)
Memory	Up to 2 GB DDR2 SO-DIMM
Expansion	1x PCI, 1x Mini PCI Express, 2.5" SATA Hard Disk - 80 GB minimum, SSD Flash Disk carrier with 1 or 2 Compact Flash slots (1 available from the outside)
Interfaces	4x USB 2.0, 2x Ethernet 10/100/1000 Mbps (Realtek PCIe 8111CP), 2x RS232 Serial Ports, 1x optional RS232 Serial Port, Keyboard & Mouse (PS/2), VGA, Audio
Other Features	Watchdog, Real Time Clock
Mounting	Wall Mounting, optional DIN rail mounting
Power Supply	24V DC
Dimesions	244.6 x 223 x 88 mm
Operating Systems	Windows® XP Professional, Windows® XP Embedded
Operating Temperature	0°C to +45°C



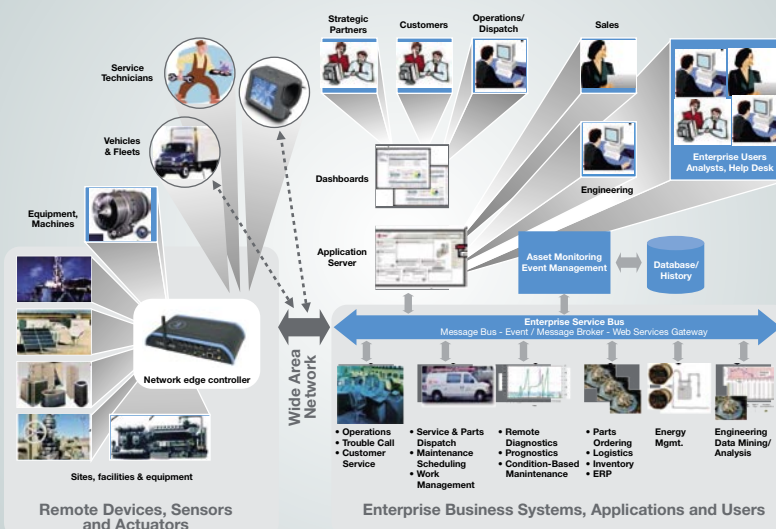
BX-400P



Processor	Intel Celeron M 1,5 GHz – Pentium M 1,7 ÷ 2,0 GHz
Memory	256 MB ÷ 1 GB
I/F	4x USB 2.0, 2x Ethernet 10/100, VGA, K/M, 3x ser. 232, Audio AC97
Expansion	1x PCI
Mass Storage	HD 2,5" opt. C.F.
Power Supply	110-220 V/AC 50-60 Hz (24 V/DC optional)
Mounting	Wall mounting – opt. DIN rail mounting
Operating Temp	+5/+45°C



End-to-End Asset Optimization Approach



GEMINI ICE



Form Factor	19" rack mount 1U
Processor	Intel Core 2 Duo / Core Duo / Core Solo / Celeron M 4xx processor @ 533/667 MHz FSB
Memory	Up to 3 GB DDR2 533/667 MHz
Video	Dual independent analog VGA, LVDS, DVI interface
Common Interfaces	4x Gigabit, 6x USB ports, audio jack sockets, keyboard/mouse ports, parallel port, CF, 2x RS232 serial ports + 1x RS232/422/485
Other Features	DVD/CDRW drive, front panel 2 line 24 character LCD display
Mass Storage	Low profile 3.5" FDD, 2.5"/3.5" HDD
Expansions	2x PCI v2.2 expansion slots
PSU	180W Flex-ATX auto-ranging PSU (110V / 240V AC)
Standards	FCC/CE EMC EN55022-024
Operating Temp	+5/+55°C



APOLLO ICE



Processor	Pentium M/Celeron M up to 2.13GHz
Memory	Up to 1 GB DDR memory
Common Interfaces	2 video input, 2x Ethernet, 6x USB ports, 2x Dual IEEE1394a-2000, audio jack sockets, keyboard/mouse ports, CompactFlash slot (CF+)
Other Features	DVD/CDRW drive, front panel 2 line 24 character LCD display
Mass Storage	Low profile 3.5" FDD, 2.5"/3.5" HDD
Expansions	2x PCI v2.2 expansion slots
PSU	180W Flex-ATX auto-ranging PSU (110V / 240V AC)
Standards	FCC/CE EMC EN55022-024
Operating Temp	0/+50°C



"Also available in 280 x 233 x 100 dimensions"



APC-INDUSTRIAL PC



Mounting	19" rack mount 4U
Processor	Pentium 4/Celeron
Memory	Up to 2 GB DDRAM SDRAM
Common Interfaces	1x RS232, 1x RS232/422/485, S-VGA Graphics, 2x USB 1.1/2.0 channels, 10/100baseT Ethernet
Other Features	CDRW/DVD drive
Mass Storage	3.5" 80 GB ATA100 HDD
Expansions	4x PCI 10x ISA
PSU	480W AC/DC 95-220V
Standards	FCC/CE EMC EN55022-024, shock and vibration tested
Operating Temp	0/+50°C



ICE-VIEW-100



Mounting	Industrial Enclosure
Display	8.4" VGA sunlight-readable LCD-TFT
Front Panel Protection	IP65
Touch Screen	optional
Architecture	PXA255 412 MHz
Memory	Up to 64 MB on board SDRAM
Common Interfaces	Rugged industrial compact enclosure and touchscreen displays matched to the VIPER standard VESA mounting
Expansions	1x PC/104
PSU	10-36VDC (10-25VAC)
Standards	FCC/CE EMC EN61000-6 -3 -2
Operating Temp	+5/+45°C



VX-50R



Processor	RISC Intel XScale PXA255 400 MHz (PXA270)
Memory	64 MB RAM
Display	LCD TFT 5,7" QVGA (320 x 240)
Touch Screen	4 wires resistive
I/F	Serial 1x 232 + 1x 422 + 1x 485, 1x Ethernet 10/100, 2x USB
Mass Storage	2x CF
Power Supply	24 V/DC
Mounting	Panel Mounting
Operating Temp	+5/+50°C



VH-50R



Processor	RISC Intel XScale PXA255 400 MHz (PXA270)
Memory	64 MB RAM
Display	LCD TFT 5,7" QVGA (320 x 240)
Touch Screen	4 wires resistive
I/F	Serial 1x 232 + 1x 422 + 1x 485, 1x Ethernet 10/100, 2x USB
Mass Storage	2x CF
Power Supply	24 V/DC
Mounting	Wall Mount (inside plastic box bticino mod.16102)
Operating Temp	+5/+50°C





VX-60F / VX-80F



Processor	Intel Celeron M 600 MHz/512 KB cache (FANLESS)
Memory	256 MB ÷ 1 GB
Display	LCD TFT 6,5" VGA (640 x 480) LCD TFT 8,4" SVGA (800 x 600)
Touch Screen	4 wires resistive
I/F	On the front: 1x USB 2.0; on the back: 4x USB 2.0, 1x Ethernet 10/100, VGA, K/M, 2x ser. 232, Audio AC 97
Expansions	1x PC/104 (only PCI bus)
Mass Storage	HD 2,5" or C.F. or HD 2,5" + C.F.
Power Supply	24 V/DC
Mounting	Panel Mounting
Operating Temp	+5/+50°C (without HD)



VX-120F / VX-150F-N270



Processor	Intel Atom™ N270 1.6GHz Ultra Low Voltage, 533 FSB 600 MHz / 512 KB cache (FANLESS)
Memory	Up to 2GB DDR2 SO-DIMM
Display	High brightness 12.1" (for VX-120F) /15" (for VX-150F) TFT, Touchscreen, 8-wire resistive, SVGA (800 x 600)
Interfaces	1x USB 2.0 on the front panel, 4x USB 2.0 on the rear panel, 2x Ethernet 10/100/1000 Mbps (Realtek PCIe 8111CP), 1x RS232 Serial Port, 1x optional RS232 Serial Port, Keyboard & Mouse (PS/2), Audio, VGA/DVI-D connector for external video
Other Features	IP65 Frontal protection
Expansions	1x Mini PCI Express, 2.5" SATA Hard Disk – 80GB minimum, SSD Flash Disk carrier with 1 or 2 Compact Flash slots (a available from the outside)
Mounting	Panel Mounting
Power Supply	24V DC
Dimensions	336x269x87 mm (for VX-120F), 385x316x87 mm (for VX-150F)
Operating Systems	Windows® XP Professional, Windows® XP Embedded
Operating Temperature	0°C to +45°C



VX-120P / VX-150P / VX-170P



Processor	Intel Celeron M 1,5 GHz – Pentium M 1,7 ÷ 2,0 GHz – Core Duo 2,0 GHz
Memory	256 MB ÷ 2 GB
Display	LCD TFT 12,1" SVGA (800 x 600) LCD TFT 15" XGA (1024 x 768) LCD TFT 17" SXGA (1280 x 1024)
Touch Screen	8 wires resistive
I/F	On the front: 1x USB 2.0; on the back: 4x USB 2.0, 2x Ethernet 10/100, VGA, K/M, 3x ser. 232, Audio AC 97
Expansion	Not available
Mass Storage	HD 2,5" opt C.F.
Power Supply	110-220 V/AC 50-60 Hz (24 V/DC optional)
Mounting	Panel Mounting
Operating Temp	+5/+45°C



VX-121P / VX-151P / VX-171P



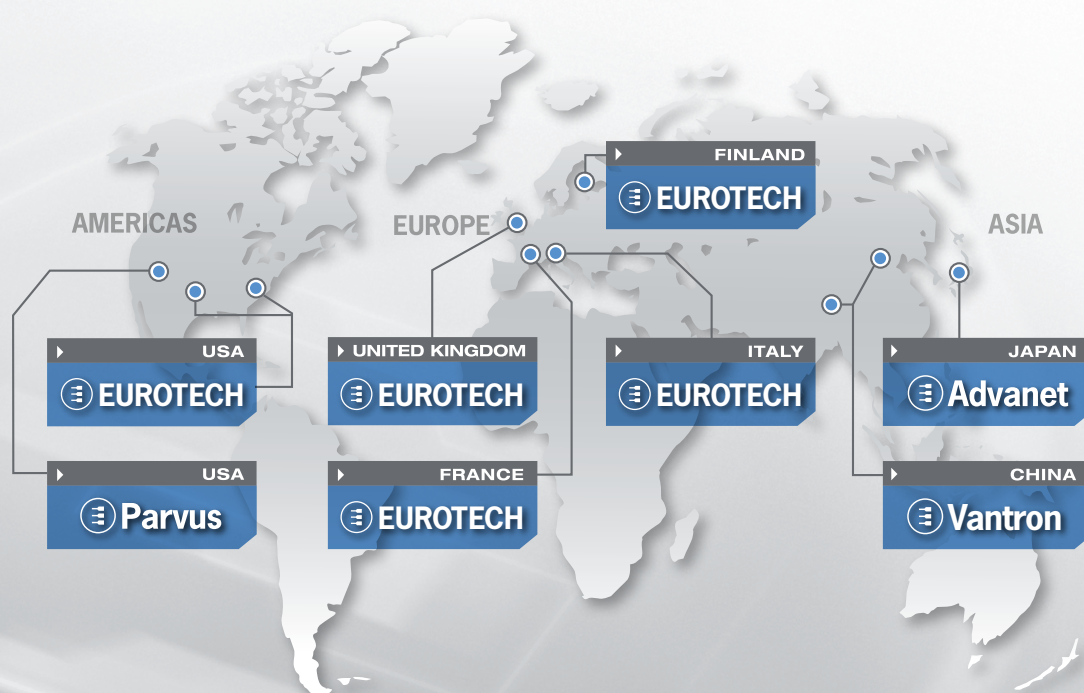
Processor	Intel Celeron M 1,5 GHz – Pentium M 1,7 ÷ 2,0 GHz – Core Duo 2,0 GHz
Memory	256 MB ÷ 2 GB
Display	LCD TFT 12,1" SVGA (800 x 600) LCD TFT 15" XGA (1024 x 768) LCD TFT 17" SXGA (1280 x 1024)
Touch Screen	8 wires resistive
I/F	On the front: 1x USB 2.0; on the back: 4x USB 2.0, 2x Ethernet 10/100, VGA, K/M, 3x ser. 232, Audio AC 97
Expansion	1 slot PCI
Mass Storage	HD 2,5" opt. C.F.
Power Supply	110-220 V/AC 50-60 Hz (24 V/DC optional)
Mounting	Panel Mounting
Operating Temp	+5/+45°C



MT8 - MT12 - MT15 - MT17



Display	LCD TFT colour 8,4" SVGA - LCD TFT colour 12,1" SVGA LCD TFT colour 15" XGA - LCD TFT colour 17" SXGA
Resolution	8,4": 800 x 600 - 12,1": 800 x 600 15": 1024 x 768 - 17": 1280 x 1024
Touch Screen	4 wires resistive (for 8,4") 8 wires resistive (for 12", 15" and 17") I/F RS232/USB
Luminance	8,4": 400 cd/m ² - 12,1": 400 cd/m ² 15": 350 cd/m ² - 17": 300 cd/m ²
Power Supply	110-220 V/AC 50-60 Hz – (24 V/DC optional not for 17" version)
Mounting	Panel Mounting
Operating Temp	+5/+45°C



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