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**module solutions**

## APPLICATIONS

The P10 COM Express® was designed as value-priced entry level board, powered by the latest VIA technology. By contrast with many other COM Express® boards the P10 is below low power.

The P10 COM Express® finds his field of work in stationary and mobil devices like

- Rugged Industrial Systems
- Medical Solutions
- Automatic Control Panels
- Information Systems
- Measurement & Quality Control
- Realtime Flow Control

# P10 COM Express® Compact

**COM**  **Express®**



- ▶ Powered by latest VIA C7®, Eden® or Nano™ processors to fit every requirement
- ▶ Full PCI Express® and PCI™ compatible CPU module with up to 800 MHz FSB
- ▶ Supports up to 4 GB DDR2 memory
- ▶ Enables analog VGA and 24-bit dual channel LVDS

- ▶ VIA VX800 ALL-IN-ONE system chipset
- ▶ PCI Express® ports (x4 / x1) and a 32-bit PCI™ interface are supported
- ▶ Two Serial ATA, one Parallel ATA and six USB 2.0 ports on board available
- ▶ Gigabit Ethernet, SM, I²C and LPC bus for communication and control

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## specifications

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#### LIFE SUPPORT APPLICATIONS

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December 2009 - Version 1d

# P10 COM Express® Compact

CPU	VIA Eden® processor 500 MHz / 128 KB cache / 400 MHz FSB / 1 Watt VIA C7® processor 1.5 GHz / 128 KB cache / 400 MHz FSB / 12 Watt VIA Nano™ processor on request Up to 800MHz FSB
Chipset	VIA VX800 ALL-IN-ONE system chipset
Type	COM Express® Compact module
COM Express® pin out Type 2	
BIOS	SPI flash BIOS External BIOS ROM support
Max. memory	Up to 4 GB DDR2 supports 400 MHz, 533 MHz or 667 MHz
PCI Express® lanes	Two ports (x4 and x1)
32-bit PCI™ bus	Yes
Serial ATA ports	2
Parallel ATA port	1
Gigabit Ethernet	Yes
LPC interface	Yes
SM bus	Yes
I²C bus	Yes
USB 2.0 ports	6
Analog VGA	Yes
LVDS interface	Yes, 24-bit dual channel LVDS
DVI-I / TV OUT	Optional, on base board via Digital Video Port
Sound	High Definition Audio support
Health monitoring and management	Thermal protection and Watchdog
Size approx.	95 x 95 mm



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