

MINI INDUSTRIAL PC

CyBox_10

III APPLICATIONS

- Inspections, quality control
- Traffic/security, license plate recognition, digital video recording
- Robot vision, compact design, camera connections, digital I/O control
- Automation control, DIN rail installation option, laboratory devices

Thanks to its budget-priced off-the-shelf components and compact design, the Mini IPC is ideal for use in many areas of industrial application.

It is particularly interesting for uses in image processing, given that the stepped placement of cameras, the compact design and low costs make it a perfect substitute for the utilization of intelligent cameras. The fact that **ELTEC** also offers a wide range of high resolution, budget-priced camera modules with LVDS technology makes the investment decision even easier.

The well designed standard I/O of CyBox_10 covers the I/O requirements of many applications completely – even without expansion cards. The available PCI slot allows the integration of a wide variety of expansions.

I/O boards for:

- control tasks, including those of the latest field bus controllers
- GB Ethernet, FireWire, LVDS cameras, frame grabber cards for connection with pertinent camera systems
- industrial cameras with frame grabbers p3i_QUADRO, p3i_MONO, p3i_RGB and p3i_ASYNC by **ELTEC**

provide the option of interesting industry-specific expansions and allow users to use pertinent applications.



ENTRY LEVEL SYSTEM

- C7 1.0 GHz CPU, 1 GByte DRAM
- OEM version with operating system
- Prices starting at € 499.--/unit plus VAT

III SOFTWARE

- Linux with real-time support
- Microsoft operating systems
- Drivers for I/O components

III SLIDING SCALE PERFORMANCE OPTIONS

- Low cost: CPU C7 1.0 GHz
- Mid range: Celeron M 1.73 GHz/Pentium M 2.0 GHz
- High end: Core Duo 2.0 GHz/Core 2 Duo 2.16 GHz

TYPE	CyBox®_10 ENTRY	CyBox®_10 BASE	CyBox®_10 MID	CyBox®_10 HIGH
SYSTEM CONFIGURATION				
CPU	VIA C7 1,00 GHz - 128 KB L2 Cache	Celeron M 530 Merom 1,73 GHz - 1 MB L2 Cache	Celeron M 530 Merom 1,73 GHz - 1 MB L2 Cache	Core Duo T2500 Yonah 2,00 GHz - 2 MB L2 Cache
CPU OPTIONAL		Pentium M 760 Dothan 2,00 GHz - 2 MB L2 Cache	Pentium M 760 Dothan 2,00 GHz - 2 MB L2 Cache	Core 2 Duo T7400 Merom 2,16 GHz - 4 MB L2 Cache
MEMORY	1 GB DDR2-533 CL4	1 GB DDR-400 CL3	1 GB DDR2-533 CL4	1 GB DDR2-667 CL5
MEMORY OPTIONAL		2 GB DDR-400 CL3	2 GB DDR2-533 CL4	2 GB DDR2-667 CL5 4 GB DDR2-667 CL5
HARD DISK	80 GB - 2,5" - S-ATA	80 GB - 2,5" - S-ATA	80 GB - 2,5" - S-ATA	80 GB - 2,5" - S-ATA
HARD DISK OPTIONAL	160 GB - 2,5" - S-ATA 250 GB - 2,5" - S-ATA	160 GB - 2,5" - S-ATA 250 GB - 2,5" - S-ATA	160 GB - 2,5" - S-ATA 250 GB - 2,5" - S-ATA	160 GB - 2,5" - S-ATA 250 GB - 2,5" - S-ATA
SPECIFICATIONS				
CPU SOCKET	N/A	socket 479	socket 479	socket 479
FSB	133 MHz	533 MHz	533 MHz	667 MHz
CHIPSET	CN700 + VT8237R+	SiS 661CX + SiS 964	Intel 915GM + ICH6M	Intel 945GM + ICH7M
CONNECTIONS				
VGA	D-Sub 15 HD	D-Sub 15 HD	D-Sub 15 HD	D-Sub 15 HD
TV-OUT/S-VIDEO	1/1	N/A	N/A	N/A
NETWORK	10/100 Mbps 10BaseT/100BaseTX	Dual GbE	Quad PCIe GbE	Dual PCIe GbE
NETWORKCHIP	VIA VT6103	RealTek RTL8110SC	Broadcom BCM5787	Broadcom BCM5787
SERIAL	1 * RS-232	1 * RS-232	4 * RS-232 - 2 * RS-232/422/485	1 * RS-232
PARALLEL	N/A	1 * LPT	N/A	N/A
USB 2.0	2 * front - 4 * rear	2 * front - 4 * rear	2 * front - 4 * rear	2 * front - 4 * rear
KEYBOARD/MOUSE PS/2	1/1	1 / 1	1 / 1	1 / 1
AUDIO	8 canal AC'97 codec	6 canal AC'97 codec	8 canal AC'97 codec	8 canal HD audio
AUDIO CHIP	VIA VT1618	Realtek ALC655	Realtek ALC655	Realtek ALC883
DIGITAL I/O			24-bit - 12 in 12 out	
WATCHDOG TIMER		1-255 sec.	1-255 sec.	1-255 sec.
EXPANSION SLOT	1 * PCI	1 * PCI		1 * PCI - 1 * Mini PCI
CHASSIS DIMENSIONS	203 * 102 * 203 mm (b+h+t)	203 * 102 * 203 mm (b+h+t)	203 * 102 * 203 mm (b+h+t)	203 * 102 * 203 mm (b+h+t)
EXTERNAL POWER SUPPLY				
TEMPERATURE	0 - 40°	0 - 40°	0 - 40°	0 - 40°
HUMIDITY	5% - 95% nc	5% - 95% nc	5% - 95% nc	5% - 95% nc

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