


Industrial Automation - Products & Configurations
PB1300 BASIC SYSTEM

Basic configuration	Intel Celeron M 370 • 1.5 GHz • 512 MB RAM • with system fan • 12 months warranty
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PROCESSOR	Intel Celeron M 370 • 1.5 GHz, 400 MHz front side bus, 1 MB cache • socket 478 µFC-PGA	
	Intel Pentium M740 • 1.73 GHz, 533 MHz front side bus, 2 MB cache • socket 478 µFC-PGA	
	Intel Pentium M 760 • 2 GHz, 533 MHz front side bus, 2 MB cache • socket 478 µFC-PGA	
RAM MEMORY	512 MB • 1 SODIMM module DDR2 PC5300	
	1 GB • 1 SODIMM module DDR2 PC6400	
	2 GB • 1 SODIMM module DDR2 PC6400	

OPTIONS

SSD 2,5"	Installation kit SSD 2.5" SATA (SSD not included)	
	Installation kit SSD 2.5" SATA (SSD not included) with PCI add-on kit > note 1, 2	
	Installation kit SSD 2.5" SATA with predisposition for PC/104 plus add-on (SSD not included) > note 2	
	SSD 2,5" SATA 2, 3Gb/s (Solid State Disk), MLC	
HDD 2,5"	Installation kit HDD 2.5" SATA (HDD not included)	
	Installation kit HDD 2.5" SATA (HDD not included) with PCI add-on kit > note 1, 2	
	Installation kit HDD 2.5" SATA with predisposition for PC/104 plus add-on (HDD not included) > note 2	
	HDD 320GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format • 24x7	
	HDD 500GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format • 24x7	
	HDD 320GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format	
HDD 500GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format		
COMPACT FLASH	Compact Flash UDMA (SLC)	
PCI & PC/104	PCI add-on kit (without HDD support) > note 1, 2	
	PC/104 plus add-on predisposition kit (without HDD support) > note 2	
COMMUNICATION PORTS	RS-232/422/485 serial port • DB15 male connector > note 3	
	RS-232/422/485 serial port • RS-422/485 optoisolated • DB15 male connector > note 3	
	Parallel port SPP-EPP-ECP bidirectional • DB25 male connector	
POWER SUPPLY	Uninterruptable power supply (UPS) • 15 minutes backup time (min) • equipped with batteries • mounted on PC's rear box > note 2, 4	
	Extension cable (length 1 m) for remote UPS installation	
WIRELESS	Wireless LAN Kit with USB interface (IEEE 802,11b/g) • data rate max 54Mbps • WEP 128bit	
FIELDBUS	NETcore® X APCI fieldbus module • for technical details see pg.190 > note 5	
WARRANTY EXTENSION	Warranty extension to 18 months on basic system and its variants	
	Warranty extension to 24 months on basic system and its variants	
	Warranty extension to 36 months on basic system and its variants	

NOTES

- 1:** PCI kit can be requested only if add-on cards have **5W max** of power consumption
- 2:** PCI and PC/104 plus kits can be supplied only at order time - THEY CANNOT BE INSTALLED AFTERWARDS
PC/104 plus predisposition and PCI kits cannot be installed together
UPS module is supported by Microsoft Win32 operating systems and not by Microsoft WinCE operating systems
- 3:** RS-232/422/485 standard and optoisolated cannot be installed together
- 4:** UPS installation is limited to USB devices with maximum input current of 200mA
- 5:** NETcore X option need PCI FANLESS add-on kit installation



TECHNICAL SPECIFICATIONS	
Case	Wall and DIN rail mount
Overall dimensions & weight	See details on the related section
Power supply	18÷36 V DC • integrated on board
Motherboard	"All-In-One" type • ASEM 951/B
Watchdog	Time programmable
Intel platform	Processor Intel® Celeron™ M 370 (1,5GHz) • Intel® Pentium™ M 740 (1,73GHz) • Intel® Pentium™ M 760 (2GHz) Chipset Intel® 915GME + ICH6M
Operating System	Microsoft Windows XP Pro 32bit • Windows 2000 • Windows Embedded Standard 2009 (Xpe SP3) 32bit • Windows Xpe SP2 • Microsoft Windows CE 6.0 Pro • Windows CE 5.0 Pro / Pro Plus Other operating systems, such as Linux, VxWorks, QNX, etc., have not been certified by ASEM but they are reasonably supported by the Intel platform after verification of compatibility O.S. certified by ASEM O.S. not supported by Intel platform
Graphic accelerator	Intel® GMA900 (Integrated on-chip Intel® 915GME)
Video controller	Integrated on-chip Intel® 915GME with standard analog VGA interface (external)
Video RAM	Shared 64/128 MB selectable in system setup
System memory	DDR2 type • 1 SODIMM module • PC5300 • min 512MB • max 2GB
Mass storage interfaces	1 x ATA/100 (Master e Slave), 1 x SATA 1 1,5Gb/s integrated on board
On-board options predisposition	Parallel and serial (also optoisolated) interfaces, as provided in the additional options
Compact Flash Slots	1 x Compact Flash Type II slot integrated on board, external access, 1 x Compact Flash Type I slot integrated on board, internal access
Bus expansions slots	OPTIONAL: 1 x PC/104 plus or 1 x PCI for half size cards • they're available one as an alternative to the other only
Rear access interfaces	2 x Ethernet 10/100/1000 Mbps, (RJ45) • 1 x Keyboard/Mouse PS/2 connector • 4 x USB 2.0 • 1 x analog VGA (DB15F, 2048x1536 QXGA)
Rear access serial interfaces	1 x RS-232 (DB9-M)
Environmental specifications	Operating temperature: 0° ÷ +50°C, 0°C ÷ +45°C with 24x7 HDD, +5°C ÷ +45°C with standard HDD • Storage temperature: -20° ÷ +60°C • Humidity: 80% (non-condensing)
Approvals	CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1) • cURus (60950-1)
Standard warranty	12 months • Warranty management by ASEM headquarters

DIMENSIONS (mm)

