


Industrial Automation - Products & Configurations
OT1300 BASIC SYSTEM

Basic configuration	LCD TFT 8,4" • Touch-Screen • Intel Celeron M 370 • 1.5 GHz • 512 MB RAM • without frontal keys • with system fan • UBIQUITY BASIC Win32 runtime • 24V DC power supply • 12 months warranty
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REMOTE ASSISTANCE	ASEM UBIQUITY BASIC Win32 runtime	↓
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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	↓

DISPLAY	8,4" LCD TFT 4:3 • SVGA, 800x600, 16M colors • LED backlight, 600 cd/m2 • Viewing angle L:R/U:L (typ): 75°:75°/60°:70°	↓
	10,4" LCD TFT 4:3 • SVGA, 800x600, 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/70°:70°	↓
	12,1" LCD TFT 4:3 • SVGA, 800x600, 16M colors • LED backlight, 500 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/80°:60°	↓
	12,1" LCD TFT 4:3 • XGA, 1024x768, 16M colors • LED backlight, 600 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/70°:70°	↓
	15" LCD TFT 4:3 • XGA, 1024x768, 16M colors • LED backlight, 450 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/70°:70°	↓
	17" LCD TFT 5:4 • SXGA, 1280x1024, 16M colors • LED backlight, 350 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:85°/80°:80°	↓

 19" LCD TFT 5:4 • SXGA, 1280x1024, 16M colors • LED backlight, 350 cd/m2 • Viewing angle L:R/U:L (typ.): 85°:85°/80°:80° > **note 1**

TOUCH-SCREEN	No Touch-Screen	-	↓
	8,4" Touch-Screen • 5 wires resistive technology • Controller integrated on board	no	↓
	10,4" Touch-Screen 4:3 • 5 wires resistive technology • Controller integrated on board	no	↓
	12,1" Touch-Screen • 5 wires resistive technology • Controller integrated on board	yes	↓
	15" Touch-Screen 4:3 • 5 wires resistive technology • Controller integrated on board	yes	↓
	17" Touch-Screen 5:4 • 5 wires resistive technology • Controller integrated on board	yes	↓
	19" Touch-Screen 5:4 • 5 wires resistive technology • Controller integrated on board	no	↓

FRONTAL	Frontal panel with 4 configurable function keys • Only for 8,4", 12,1" and 15" front panels	↓
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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 3, 4	↓
	Installation kit SSD 2.5" SATA with predisposition for PC/104 plus add-on (SSD not included) > note 4 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 3, 4	↓
	Installation kit HDD 2.5" SATA with predisposition for PC/104 plus add-on (HDD not included) > note 4 HDD 2,5" SATA	↓

COMPACT FLASH	Compact Flash UDMA PATA	↓
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PCI & PC/104	PCI add-on kit (without HDD support) > note 3, 4	↓
	PC/104 plus add-on predisposition kit (without HDD support) > note 4	↓

COMMUNICATION PORTS	RS-232/422/485 serial port • DB15 male connector > note 5	↓
	RS-232/422/485 serial port • RS-422/485 optoisolated • DB15 male connector > note 5	↓
	Parallel port SPP-EPP-ECP bidirectional • DB25 male connector	↓

WIRELESS	Wireless LAN Kit with USB interface (IEEE 802,11b/g) • data rate max 54Mbps • WEP 128bit	↓
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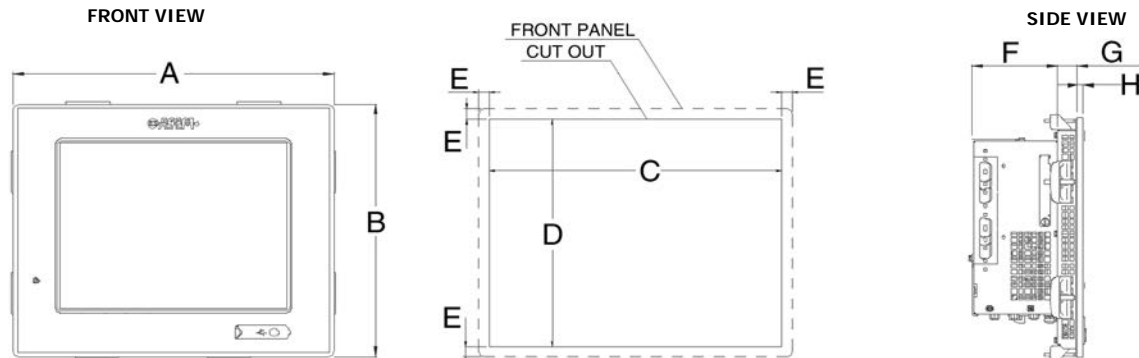
FIELDBUS	NETcore® X APCI fieldbus module • for technical details see related page > note 6	↓
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WARRANTY EXTENSION	Warranty extension to 18 months on basic system and its variants	↓
	Warranty extension to 24 months on basic system and its variants	↓
	Warranty extension to 36 months on basic system and its variants	↓

NOTES
<ol style="list-style-type: none"> 1: cULus certification is not available in configurations with 19" LCD TFT 2: Glass Film Glass (GFG) touch-screen option: see pg.191 for the differences with standard touch-screen configuration 3: PCI kit can be requested only if add-on cards have 5W max of power consumption 4: 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 5: Communication ports cannot be installed together 6: NETcore X option need PCI add-on kit installation



TECHNICAL SPECIFICATIONS	
Case	Panel mount
Overall dimensions & weight	See details on the related section
Front Panel	Aluminum / Polycarbonate Pantone 429C color
Frontal protection	IP65
Power supply	Input voltage 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 • O.S. certified by ASEM 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. not supported by Intel platform	Microsoft Windows 7 32/64bit
Software Remote assistance	ASEM UBIQUITY BASIC Win32 runtime license with ASEM sticker
Graphic accelerator	Intel® GMA900 (Integrated on-chip Intel® 915GME)
Video controller	Integrated on-chip Intel® 915GME with standard analog VGA interface (external) and digital LVDS interface for LCD TFT (internal) Simul scan
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 • optional
Frontal access interfaces	1 x USB 2.0 • 4 customizable function keys
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)


LCD TFT	A	B	C	D	E	F	G	H	Weight (kg)
8,4"	250	210	230	190	10	84	19	6	3,1
10,4"	300	245	280	225	10	84	19	6	4,0
12,1"	335	270	315	250	10	84	19	6	4,6
15"	390	315	370	295	10	84	19	6	5,3
17"	455	355	435	335	10	84	22,8	6	6,7
19"	490	388	470	368	10	84	28,8	6	7,4

CONNECTORS VIEW
