Panel x86 based

OT1300-TFX

Industrial Automation - Products & Configurations

OT1300-TFX BASIC SYSTEM	
Basic configuration	LCD TFT 12,1" ▪ Touch-Screen ▪ Intel Celeron M 370 ▪ 1.5 GHz ▪ 512 MB RAM ▪ with system fan ▪ Stainless Steel TrueFlat front panel ▪ UBIQUITY BASIC Win32 runtime ▪ 24V DC power supply ▪ 12 months warranty

REMOTE ASSISTANCE	
	ASEM UBIQUITY BASIC Win32 runtime

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 & TOUCH-SCREEN	
	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" Touch-Screen ▪ 5 wires resistive technology ▪ Controller integrated on board
	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°
	12,1" Touch-Screen ▪ 5 wires resistive technology ▪ Controller integrated on board
	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°
	15" Touch-Screen 4:3 ▪ 5 wires resistive technology ▪ Controller integrated on board
	17" LCD TFT 5:4 ▪ SXGA, 1280X1024, 16M colors ▪ LED backlight, 350 cd/m2 ▪ Viewing angle L:R/U:L (typ.): 85°:85°/80°:80°
	17" Touch-Screen 5:4 ▪ 5 wires resistive technology ▪ Controller integrated on board
	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
	19" Touch-Screen 5:4 ▪ 5 wires resistive technology ▪ Controller integrated on board

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 2, 3
	Installation kit SSD 2.5" SATA with predisposition for PC/104 plus add-on (SSD not included) > note 3
	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 2, 3
	Installation kit HDD 2.5" SATA with predisposition for PC/104 plus add-on (HDD not included) > note 3
	HDD 2,5" SATA

COMPACT FLASH	
	Compact Flash UDMA PATA

PCI & PC/104	
	PCI add-on kit (without HDD support) > note 2, 3
	PC/104 plus add-on predisposition kit (without HDD support) > note 3

COMMUNICATION PORTS	
	RS-232/422/485 serial port ▪ DB15 male connector > note 4
	RS-232/422/485 serial port ▪ RS-422/485 optoisolated ▪ DB15 male connector > note 4
	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

FIELDBUS	
	NETcore® X APCI fieldbus module ▪ for technical details see related page > 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: cULus certification is not available in configurations with 19" LCD TFT

2: PCI kit can be requested only if add-on cards have **5W max** of power consumption

3: 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

4: RS-232/422/485 standard and optoisolated cannot be installed together

5: NETcore X option need PCI add-on kit installation

OT1300-TFX

TECHNICAL SPECIFICATIONS		
Case		Panel mount
Overall dimensions & weight		See details on the related section
Front Panel		TrueFlat stainless steel AISI 304 (UNI/EN 1.4301), medium surface brushing, size 180 ▪ Polyester Autoflex EB A180 RAL 7035 color ▪ ASEM logo serigraph printed
Frontal protection		IP66
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	O.S. certified by ASEM	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. not supported by Intel platform	Microsoft Windows 7 32/64bit
Software	Remote assistance	ASEM UBIQUITY BASIC Win32 runtime license with ASEM sticker
Graohic 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
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)

FRONT VIEW

SIDE VIEW

LCD TFT	A	B	C	D	E₁/E₂	F	G	H	Weight (kg)
12,1"	335	270	315	250	10/10	84	19	6	4,6
15"	398	315	370	295	10/14	84	19	6	5,3
17"	455	355	435	335	10/10	84	22,8	6	6,7
19"	490	388	470	368	10/10	84	28,8	6	7,4

CONNECTORS VIEW