

OT1300

OT1300 is the embedded fanless panel PC based on Intel® with Celeron M and Pentium M microprocessors up to 2GHz. Available in a wide range of LCD displays, from 8.4" to 19", also touchscreen, with aluminium or stainless steel front panels. The expandability is provided by a PCI slot, where ASEM NETcore® X communication cards can be installed. The integration with the Premium HMI 4 software platform and CODESYS SoftPLC allows the creation of visualization and control applications.

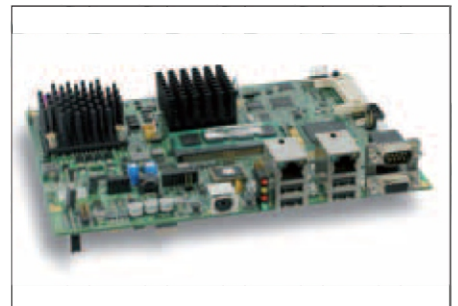



Photo 1: True-Flat stainless steel front

Photo 2: 1 PCI slot

Photo 3: Intel® Celeron M and Pentium M Microprocessors up to 2GHz

FEATURES PLUS

- ✓ 1 PCI/PC104PLUS SLOT FOR ADDITIONAL CARDS
- ✓ OPTIONAL TRUEFLAT FRONT PANEL IN STAINLESS STEEL
- ✓ 4 OPTIONAL PROGRAMMABLE FRONT KEYS
- ✓ DATA STORAGE ON SSD/CF/HDD

System characteristics									
Display	Size	8.4"	10.4"	12.1"	12.1"	15"	17"	19"	
	Type	Color LCD TFT	Color LCD TFT	Color LCD TFT	Color LCD TFT	Color LCD TFT	Color LCD TFT	Color LCD TFT	
	Resolution	800x600 (SVGA)	800 x 600 (SVGA)	800x600 (SVGA)	1024x768 (XGA)	1024x768 (XGA)	1280 x 1024 (SXGA)	1280 x 1024 (SXGA)	
	Colors	16M	256K	16M	16M	16M	16M	16M	
	Pixel pitch	0,213x0,213mm	0,264 x 0,264mm	0,307 x 0,307mm	0,240x0,240mm	0,297 x 0,297mm	0,264 x 0,264mm	0,294 x 0,294mm	
	Backlight	LED	2 CCFL	LED	LED	LED	2 CCFL	2 CCF	
	Luminance	450cd/m ²	400cd/m ²	500cd/m ²	600cd/m ²	450cd/m ²	250cd/m ²	300cd/m ²	
	Contrast	600:1	450:1	800:1	700:1	700:1	1000:1	1000:1	
	Viewing angle L:R/U:L	80°/80°: 60°	120° H, 100° V	80°/80°: 60°	80°/80°/70°: 70°	80°/80°/70°: 70°	80°/80°/80°: 80°	80°/80°/80°: 80°	
	Lifetime (min.)	50.000h	50.000h	100.000h	50.000h	35.000h	50.000h	50.000h	
Touchscreen (note 2)	Technology	5 wires – analog - resistive							
	Light transmission	80% ±2%							
	Lifetime	35mln activations							
	Linearity deviation	< 1 %							
	Interface	Serial							
	Glass Film Glass	Optional for 12,1" , 15" and 17"							
Motherboard	Model	All-in-one, ASEM MB951/B							
	HW monitor	Voltages and temperatures monitor							
	Watch-dog	Time programmable							
CPU	Processor	Intel® Pentium M 760 2GHz							
	FSB	533MHz							
	Cache	2MB L2							
	Socket	Socket 478 uFC-BGA							
	Chipset	Intel® 915GME + ICH6M							
Graphic	Controller	GMA900 integrated in Intel® 915GME							
	Memory	Shared - 64MB+128MB system selectable							
System memory	Type	DDR2 PC5300							
	Size	512 MB, 1 GB, 2 GB							
	Socket	1 x SODIMM module							
Video interfaces	Type	1 x VGA (DB15F)							
Serial interfaces	Type	1 x RS232 (DB9M)							
	UART	16550 compatible (FIFO 16 byte)							
	Transfer rate	115Kbps max							
	Optoisolation	No							
Optional (note 1)	Type	1 x RS232 (DB9M)							
	UART	16550 compatible (FIFO 16 byte)							
	Transfer rate	115Kbps max							
	Optoisolation	No / Yes							
Parallel interfaces Optional	Type	1 x SPP, EPP, ECP bidirectional							
	Connection	DB25M							
PS/2 interfaces	Type	1 x PS/2 Keyboard / Mouse							
Ethernet interfaces	Type	2 x 10/100/1000Mbps (RJ45)							
	Controller	Intel 82574L							
USB interfaces	Type	4 x USB 2.0 (rear, TYPE-A, host port, protected), 1 x USB 2.0 (front, TYPE-A, host port, protected), 1 x USB 2.0 (internal pin strip, host port, protected)							
	Transfer rate	Up to 480Mbit/s (high speed)							
Compact Flash slots	Type	1 x Type I (internal access), 1 x Type II (external access)							
Mass storage interfaces	Serial	1 x SATA 1 1,5Gb/s							
	Parallel	1 x ATA/100 Master/Slave (dedicated for CF Slots)							
Expansion slots	Type	1 x PC/104 Plus or 1 x PCI half size							
Battery	Type	½AA Lithium (3.6V)							
	Removable	Yes							
	Lifetime	20 years							
Buttons, leds and keys	Reset button	Yes							
	LEDs	Front: Power / Rear: power, HDD, system fail, watch-dog							
	Function keys	4 programmable on front panel (optional), only for aluminum version excluded 19"							
Electrical characteristics									
Power supply	Type	AT, integrated on board, auto ranging							
	Input voltage	18÷36 VDC							
	Power consumption	60W @ OT1300 15", T/S, Pentium M 2GHz, 1GB RAM, CF							
Mechanical characteristics									
Case	Type	Panel mount							
	Material	Steel, nickel treatment							
Front panel (note 2)	Protection	IP65					IP66K		
	Construction	Aluminum alloy with polycarbonate foil					Stainless Steel True Flat with polyester foil		
	Color	PANTONE 429C					RAL 7035		
Measurements mm		Dimensions (W x H x D)		Stainless Steel (W x H x D)		Cutout (W x H)		Weight (Kg)	
	8,4"	250 x 210 x 103		-		230 x 190		3,1	
	10,4"	300 x 245 x 103		-		280 x 225		4,0	
	12,1"	335 x 270 x 103		335 x 270 x 103		315 x 250		4,6	
	15"	390 x 315 x 103		398 x 315 x 103		370 x 295		5,3	
	17"	455 x 355 x 103		455 x 355 x 103		435 x 335		6,7	
	19"	490 x 388 x 113		490 x 388 x 113		470 x 368		7,3	
Enviromental characteristics									
Temperature	Operation	0° ÷ +50°C without HDD, 0° ÷ +45°C with 17", 0° ÷ +45°C with HDD							
	Storage	-20° ÷ +60°C							
Humidity	Operation/Storage	80% (non-condensing)							
Warranty & Approvals									
CE	Emission	Conforms to EN 55022 Information technology equipment – Radio disturbance characteristics							
		Conforms to EN 61000-3-2 – Limits for harmonic current emissions							
		Conforms to EN 61000-3-3 – Limits of voltage fluctuation and flicker							
	Immunity	Conforms to EN 55024 Information technology equipment – Immunity characteristics							
	Safety	Conforms to EN 60950-1 – Information technology equipment – Safety							
UL	Marks								
	Safety Certificate N°	2090306-E315863							
Warranty	Management Standard	By ASEM headquarters							
	Extended	12 months 18 / 24 / 36 months (optional)							
Notes									
1	RS-232/422/485 standard and optoisolated can be installed one alternative to the other								
2	With stainless steel front panel, touchscreen is mandatory and have no USB port on the front								