

## Performance

# 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 3 software platform and CoDeSys SoftPLC allows the creation of visualization and control applications.

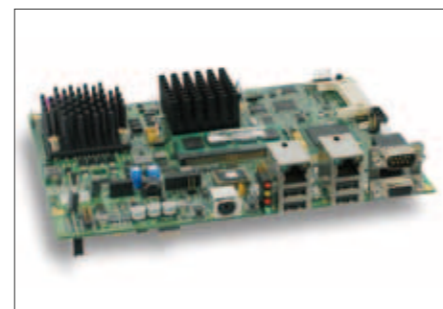


Photo 1: True-Flat stainless steel front

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		8,4"	10,4"	12,1"	12,1"	15"	17"	19"	
<b>Display</b>	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	800 x 600 (SVGA)	800 x 600 (SVGA)	800 x 600 (SVGA)	1024 x 768 (XGA)	1024 x 768 (XGA)	1280x1024 (SXGA)	1280 x 1024 (SXGA)	
	Colors	256K	256K	256K	256K	256K	16M	16M	
	Pixel pitch	0,213 x 0,213mm	0,264 x 0,264mm	0,307 x 0,307mm	0,24 x 0,24mm	0,297 x 0,297mm	0,264 x 0,264mm	0,294 x 0,294mm	
	Backlight	CCFL 2 lamps	CCFL 2 lamps	CCFL 2 lamps	CCFL 2 lamps	CCFL 4 lamps	CCFL 2 lamps	CCFL 2 lamps	
	Luminance	400cd/m2	450:1	400cd/m2	400cd/m2	450cd/m2	300cd/m2	300cd/m2	
	Contrast	250:1	450:1	500:1	500:1	400:1	1000:1	1000:1	
	Viewing angle	120° H, 100° V	120° H, 100° V	120° H, 100° V	120° H, 100° V	160° H, 140° V	160° H, 160° V	160° H, 160° V	
	MTTF	50000h	50000h	60000h	60000h	50000h	50000h	-	
<b>Touchscreen</b> (note 2)	Technology	5 wires – analog - resistive							
	Light transmission	80% ±2%							
<b>Motherboard</b>	Model	All-in-one, ASEM MB951							
	HW monitor	Voltages and temperatures monitor							
	Watch-dog	Time programmable							
	Time programmable								
<b>CPU</b>	Processor	Intel® Celeron M 373 1,5GHz		Intel® Pentium M 740 1,73GHz		Intel® Pentium M 760 2GHz			
	FSB	400MHz		533MHz		533MHz			
	Cache	1MB L2		2MB L2		2MB L2			
	Socket	Socket 478 uFC-BGA		Socket 478 uFC-BGA		Socket 478 uFC-BGA			
	Chipset	Intel® 915GME + ICH6M		Intel® 915GME + ICH6M		Intel® 915GME + ICH6M			
<b>Graphic</b>	Controller	GMA900 integrated in Intel® 915GME							
	Memory	Shared - 64MB±128MB system selectable							
<b>System memory</b>	Type	DDR2 PC5300							
	Size	512 MB, 1 GB, 2 GB							
	Socket	1 x SODIMM module							
<b>Video interfaces</b>	Type	1 x VGA (DB15F)							
<b>Serial interfaces</b>	Type	1 x RS232 (DB9M)							
	UART	16550 compatible (FIFO 16 byte)							
	Transfer rate	115Kbps max							
Optional (note 1)	Type	1 x RS232 (DB9M)							
	UART	16550 compatible (FIFO 16 byte)							
	Transfer rate	115Kbps max							
<b>Parallel interfaces</b> Optional	Type	1 x SPP, EPP, ECP bidirectional							
	Connection	DB25M							
<b>PS/2 interfaces</b>	Type	1 x PS/2 Keyboard / Mouse							
<b>Ethernet interfaces</b>	Type	2 x 10/100Mbps (RJ45)							
	Controller	Intel 82551QM - Intel 82562EZ							
<b>USB interfaces</b>	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)							
<b>Compact Flash slots</b>	Type	1 x Type I (internal access), 1 x Type II (external access)							
<b>Mass storage interfaces</b>	Serial	1 x SATA 1 1,5Gb/s							
	Parallel	1 x ATA/100 Master/Slave (dedicated for CF Slots)							
<b>Expansion slots</b>	Type	1 x PC/104 Plus or 1 x PCI half size							
<b>Battery</b>	Type	½AA Lithium (3.6V)							
	Removable	Yes							
	Lifetime	20 years							
<b>Buttons, leds and keys</b>	Reset button	Yes							
	LEDs Function keys	Front: Power / Rear: power, HDD, system fail, watch-dog 4 programmable on front panel (optional), only for aluminum version excluded 19"							
<b>Electrical characteristics</b>									
<b>Power supply</b>	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							
<b>Mechanical characteristics</b>									
<b>Case</b>	Type	Panel mount							
	Material	Steel, nickel treatment							
<b>Front panel</b> (note 2)	Protection	IP65					IP66K		
	Construction	Aluminum alloy with polycarbonate foil					Stainless Steel True Flat with polyester foil		
	Color	PANTONE 429C					RAL 7035		
<b>Measurements</b> 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	
<b>Enviromental characteristics</b>									
<b>Temperature</b>	Operation	0° ÷ +50°C without HDD, 0° ÷ +45°C with 17", 0° ÷ +45°C with HDD							
	Storage	-20° ÷ +60°C							
<b>Humidity</b>	Operation/Storage	80% (non-condensing)							
<b>Warranty &amp; Approvals</b>									
<b>CE</b>	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 Safety	Conforms to EN 55024 Information technology equipment – Immunity characteristics Conforms to EN 60950-1 – Information technology equipment – Safety							
<b>UL</b>	Marks Safety Certificate N°	 Conforms to UL-60950-1 – Information technology Equipment - Safety 2090306-E315863							
<b>Warranty</b>	Management	By ASEM headquarters							
	Standard Extended	12 months 18 / 24 / 36 months (optional)							
<b>Notes</b>									
<b>1</b>	RS-232/422/485 standard and optoisolated can be installed one alternative to the other								
<b>2</b>	With stainless steel front panel, touchscreen is mandatory and have no USB port on the front								