

Fanless

OT1100

OT1100 is ASEM's embedded fanless panel PC that uses Intel® Atom™ Z5XXP Series low power processors up to 1.6GHz, providing the 'Hyper Threading Technology' feature. Available with 12.1", 15", 17" and 19" LCD display, also touchscreen, aluminium or stainless steel front panels, is maximum 70 mm thick. Through ASEM NETcore® X communication cards and integration of Premium HMI 3 and SoftPLC CoDeSys software platforms, allows to build applications for visualization and control.



FANLESS

DISKLESS

12,1" 15" 17" 19"

Alu Inox

Res 5 GFG

ATOM

512MB 1GB 2GB

MiniPCI

24VDC

CE6 WES XP Pro W7

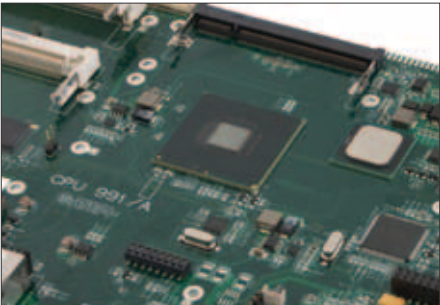
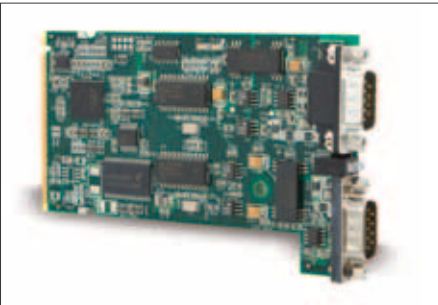


Photo 1: Extremely thin
Photo 2: Industrial fieldbus on MiniAPCI slot
Photo 3: Intel® Atom™ Technology

- FEATURES PLUS
- ☒ INTEL® ATOM™ LOW POWER TECHNOLOGY

☒ EMBEDDED OPERATING SYSTEM INSTALLED ON SSD OR CF

☒ OPTIONAL INDUSTRIAL FIELDBUS

☒ 2 MINIPCI SLOTS FOR EXPANSION CARDS

☒ OPTIONAL TRUEFLAT FRONT PANEL IN STAINLESS STEEL

HMI1100
OT1100+Premium HMI
See p.12

System characteristics						
Display	Size	12,1"	12,1"	15,0"	17,0"	19"
	Type	Color LCD TFT	Color LCD TFT	Color LCD TFT	Color LCD TFT	Color LCD TFT
	Resolution	800 x 600 (SVGA)	1024 x 768 (XGA)	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1280 x 1024 (SXGA)
	Colors	256K	256K	16M	16M	16M
	Pixel pitch	0,307 x 0,307mm	0,240 x 0,240mm	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 2 lamps
	Luminance	400cd/m2	400cd/m2	400cd/m2	300cd/m2	300cd/m2
	Contrast	500:1	500:1	500:1	1000:1	1000:1
	Viewing angle	120° H, 100° V	120° H, 100° V	160° H, 140° V	160° H, 160° V	160° H, 160° V
	MTTF	60000h	60000h	50000h	50000h	-
	Touchscreen	Optional	5 wires – analog - resistive			
			80% ±2%			
Motherboard	Technology	All-in-one, ASEM MB991/A				
	Light transmission	Voltages and temperature monitor				
CPU	Lifetime	Time programmable				
	Linearity deviation					
Graphic	Interface	Optional				
	Glass film					
Motherboard	Model					
	HW monitor					
CPU	Watch-dog					
	Processor					
Graphic	FSB					
	Cache					
System memory	Chipset					
	Controller					
Serial interfaces	Memory					
	Type					
Ethernet interfaces	Size					
	Socket					
USB interfaces	Type					
	Transfer rate					
Compact Flash slots	Optoisolation					
	Type					
Mass storage interfaces	UART					
	Transfer rate					
Expansion slots	Optoisolation					
	Type					
Battery	Optional (note 2)					
	Type					
Buttons, leds and keys	UART					
	Transfer rate					
Electrical characteristics	Optoisolation					
	Type					
Mechanical characteristics	Controller					
	Type					
Case	Material					
	Steel, zinc galvanization					
Front panel (note 1)	Protection					
	Construction					
Measurements mm	Color					
	Aluminium (W x H x D)					
Environmental characteristics	Stainless Steel (W x H x D)					
	Cutout (W x H)					
Temperature	Weight (Kg)					
	4,2					
Humidity	5,0					
	6,3					
Warranty & Approvals	7,0					
CE	Emission					
	Immunity					
Warranty	Safety					
	Management					
Notes	Standard					
	Extended					
1	By ASEM headquarters					
	12 months					
2	18 / 24 / 36 months (optional)					
With stainless steel front panel, touchscreen is mandatory and have no USB port on the front						
RS-232/422/485 standard and optoisolated can be installed one alternative to the other						