





HT2000-TFM

fanless

Industrial Automation - Products & Configurations

			HT2000-TFM/S0 BASIC SYSTEM		POWER
Basic Configuration LCD TFT 15,6" • Touch-Screen Multitouch • Aluminum and glass TrueFlat front panel • Intel® Atom™ dual core D2550 1,86 GHz • 2GB RAM • fanless additional monitor VGA output • 24V DC isolated power supply • UBIQUITY BASIC Win32/64 runtime • 12 months warranty					37
			HT2000-TFM/S1 BASIC SYSTEM		POWER [
Basic C	onfigu	ıratior	LCD TFT 15,6" • Touch-Screen Multitouch • Aluminum and glass TrueFlat front panel • Intel® Atom™ dual core D2550 1,86 GHz • 2GB RAM • fank additional monitor VGA output • 24V DC isolated power supply • UBIQUITY BASIC Win32/64 runtime • 1 PCI slot •12 months warranty	ess • with	41
REMOTE		S1		Ψ	
SISTANCE	•	•	ASEM UBIQUITY BASIC Win32/64 runtime	Ψ	-
ROCESSOR	•	•	Intel® Atom™ dual core D2550 • 1,86 GHz, 1MB L2 cache • Intel® Hyper-Threading • Soldered on-board	Ψ	
			15,6" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/80°:80°		
			Touch-Screen P-CAP projected capacitive multitouch		
ISPLAY & ICH-SCREEN	•	•	18,5" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 300 cd/m2 • Viewing angle L:R/U:L (typ): 75°:75°/70°:70° Touch-Screen P-CAP projected capacitive multitouch		+ 1
			21,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 300 cd/m2 • Viewing angle L+R/U+L (typ): 89°:89°/89°:89°		
	•	•	Touch-Screen P-CAP projected capacitive multitouch		+ 2
		•	1 GB - 1 module SODIMM DDR3-1600	•	
M MEMORY	•	•	2 GB • 1 module SODIMM DDR3-1600		- 1
HEHORI	•	•	4 GB • 1 module SODIMM DDR3-1600		+ :
	<u> </u>		1 mode 6001 11 5010 2000	Ψ	
	•	•	Without UPS (uninterruptible power supply)		
ERNAL PSU	•	•	With UPS (uninterruptible power supply) • integrated in power supply section • batteries kit not included > note 1		+
DITIONAL	•	•	VGA (DB15F) video interface for additional external monitor • Max resolution 2048x1536 SXGA	Ψ	
TOR OUTPUT	•	•	DVI-I (Single Link) video interface for additional external monitor • Max resolution 2048x1536 SXGA	4	+ (
	•	П	No expansion slots		
NSION SLOTS		•	1 x PCI half size • on riser card • expansion board with max consumption 3W		
		•	1 x PCIe x1 format (Generation 1 2.5Gbit/s) half size • on riser card • expansion board with max consumption 3W		+
			OPTIONS		POWER
	S0	S1		Ψ	
	•		SSD 2,5" SATA installation kit (SSD not included)		-
SSD 2,5"	-	•	SSD 2,5" SATA installation kit (SSD not included)		-
	•	•	SSD 2,5" SATA		5
	•		HDD 2,5" SATA installation kit (HDD not included) • with shock absorber		-
IDD 2,5"		•	HDD 2,5" SATA installation kit (HDD not included) • with shock absorber		-
CFAST		•	HDD 2,5" SATA CFast SATA		1
	•	•	1 x RS232/422/485 serial port (DB15M) • 1 x USB 2.0 port > note 2		
	•	•	1 x RS232/422/485 optoisolated serial port (DB15M) • 1 x USB 2.0 port > note 2 1 x RS232/422/485 optoisolated serial port (DB15M) • 1 x USB 2.0 port > note 2		1
ONICATION PORTS	•	•	2 x RS232 serial ports (DB9M) > note 2		2
	•	•	2 x USB 2.0 ports > note 2		0
BATTERIES	•	•	Batteries kit for rear systems mounting • cable included		15
KIT	•	•	Batteries kit for detached mounting (wall mount) - 100cm cable included		15
O BOARDS	•	•	8+8 channels DIN/DOUT optoisolated MiniPCI board > note 3		3
TELDBUS	•	•	NETcore® X MiniAPCI fieldbus module • For technical details and supported drivers see related page > note 3		3
				Ψ	
		$\overline{}$			
/ARRANTY	•	•	Warranty extension to 18 month Warranty extension to 24 months		

NOTES

The power consumption of the configuration takes into consideration the maximum absorbed power of every component and does not include the consumption of the devices connected to the USB ports.

1: UPS module is supported by Microsoft Win32/64 operating systems

Warranty extension to 36 months

- 2: Communication ports cannot be installed together
- 3: Boards with MiniPCI / MiniAPCI bus cannot be installed togheter. For technical details and supported drivers see pg.321 or pg.325



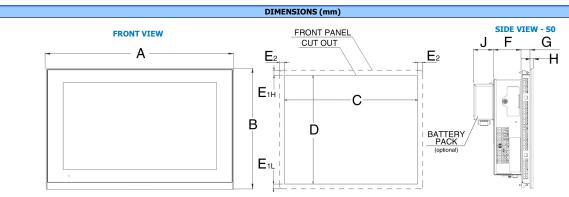




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TECHNICAL SPECIFICATI	TECHNICAL SPECIFICATIONS							
Case		Panel mount						
Overall dimensions & weight		See details on the related section						
Front panel		Aluminum and tempered glass TrueFlat						
Touchscreen		Projective capacitive multitouch						
Frontal protection		P66						
Power supply		Isolated • Input voltage: 18÷32V DC						
UPS (optional)		12V DC UPS (Uninterruptible Power Supply) battery backup system						
		Batteries module (optional): Pb, 12V/13A max, 2500mA/h • Charge time 3h@25°C • Discharge time 15'@5A and 25°C • Lifetime 10years@25°C						
Motherboard		"All-In-One" type • ASEM 953						
Watch dog		Time programmable						
Intel platform	Processor	tel® Atom™ dual core D2550 (1,86GHz)						
	Chipset	Intel® NM10						
Operating System	O.S. certified by ASEM	Microsoft Windows 7 Pro/Ultimate 32bit • Microsoft Windows Embedded Standard 7P 32 bit Other operating systems, such as Linux, VxWorks, ONX, 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 Win64 • Microsoft Windows 8 / 2000 / 98 / NT • Microsoft Windows CE 5 / 6						
Software	Remote assistance	ASEM UBIQUITY BASIC Win32/64 runtime license with ASEM sticker						
Video controller		Integrated in Intel® Atom™ microprocessor • 640MHz • LVDS 8bit/color digital interface						
Video RAM (shared)		Dynamic Video Memory Technology - Memory quantity is automatically selected by operating system						
System memory		DDR3-1066 type • 1 SODIMM module • min 1GB • max 4GB						
Mass storage interfaces		1 x SATA II - 3Gb/s integrato on board						
CFast slot		1 x slot CFast (bootable) external access						
Bus expansions slots	on board (S0, S1)	2 x MinIPCT						
	on riser card (S1)	1 x PCI or 1 x PCIe x1 • half size boards with 3W max consumption • alternative to each other						
Rear access interfaces		2 x Ethernet 10/100/1000 Mbps (RJ45), Intel® 82574L • 4 x USB 2.0 (Type A) • 1 x PS/2 K/M • 1 x VGA/DVI-I video output (2048x1536 SXGA max resolution)						
Rear access serial interfaces		1 x RS-232 (DB9M)						
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) • cULus LISTED (UL508)						
Standard warranty		12 months • Warranty management by ASEM headquarters						



L	CD TFT	A	В	С	D	$E_{1L}:E_{1H}/E_2$	F (S0/S1)	G	н	J	Weight (kg)
	15,6"	433	280,5	410	255	15:10,5/11,5	57 / 83	36	6	41,8	tbd
	18,5"	503	320,5	480	300	10:10,5/11,5	57 / 83	35	6	41,8	tbd
	21,5"	581,5	367,5	559	347	10:10,5/11,5	57 / 83	35	8	41,8	tbd

