


Industrial Automation - Products & Configurations

HT700-TFM BASIC SYSTEM	
Basic configuration	LCD TFT 15,6" • Touch-Screen Multitouch • Intel® Atom™ E640 1GHz • 1GB RAM • Aluminum and glass TrueFlat front panel • fanless • isolated power supply • 12 months warranty

PROCESSOR	Intel® Atom™ E640 • 1 GHz, 512KB L2 cache • Intel® Hyper-Threading • Soldered on-board	
	Intel® Atom™ E680 • 1,60 GHz, 512KB L2 cache • Intel® Hyper-Threading • Soldered on-board	
DISPLAY & TOUCH-SCREEN	15,6" LCD TFT 16:9 • 1366x768 (HD), 16M colors • backlight LED, 300 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/80°:80°	
	15,6" Touch-Screen • Projective capacitive multitouch, 4 fingers • Controller on module	
	18,5" LCD TFT 16:9 • 1366x768 (HD), 16M colors • backlight LED, 300 cd/m2 • Viewing angle L+R/U+L (typ): 170°/160°	
RAM MEMORY	1 GB • DDR2-800 • Soldered on board	
	2 GB • DDR2-800 • Soldered on board	
INTERNAL PSU	Without UPS (uninterruptible power supply)	
	With UPS (uninterruptible power supply) • integrated in power supply section • batteries kit not included > note 1	

OPTIONS	
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SSD 2,5"	SSD 2,5" SATA installation kit (SSD not included)	
	SSD 2,5" SATA 2, 3Gb/s (Solid State Disk), MLC	
HDD 2,5"	HDD 2,5" SATA installation kit (HDD not included) • with shock absorber	
	HDD 320GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format • 24x7	
	HDD 500GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format • 24x7	
	HDD 320GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format	
COMPACT FLASH	HDD 500GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format	
	Compact Flash UDMA (SLC)	
COMMUNICATION PORT	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	
	2 x RS232 serial ports (DB9M) > note 2	
	2 x USB 2.0 ports > note 2	
UPS BATTERIES KIT	Batteries kit for rear systems mounting • cable included	
	Batteries kit for detached mounting (wall mount) • 100cm cable included	
I/O BOARDS	8+8 channels DIN/DOUT optoisolated MiniPCI board • For technical details and supported drivers see pg.173 > note 3	
FIELDBUS	NETcore® X MiniAPCI fieldbus module • For technical details and supported drivers see pg.169 > note 3	
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: UPS module is supported by Microsoft Win32 operating systems and not by Microsoft WinCE operating systems
2: Communication ports cannot be installed together
3: Boards with MiniPCI / MiniAPCI bus cannot be installed together



HT700-TFM

fanless

TECHNICAL SPECIFICATIONS	
Case	Panel mount
Overall dimensions & weight	See details on the related section
Front panel	Aluminum and tempered glass TrueFlat • ASEM logo serigraph printed
Touchscreen	Projective capacitive multitouch, 4 fingers • overlaminated with OCA (Optical Clear Adhesive) • Controller on module
Frontal protection	IP66K
Power supply	Input voltage 18÷32V DC • Integrated on board • isolated
UPS (optional)	12V DC UPS (Uninterruptible Power Supply) battery backup system Batteries module (optional): Pb, 12V/6A max, 2500mA/h • Charge time 5h@25°C • Discharge time 15'@5A and 25°C • Lifetime 10years@25°C
Motherboard	"All-In-One" type • ASEM 931
Watch dog	Time programmable
Intel platform	Processor Intel® Atom™ E640 (1GHz) • Intel® Atom™ E680 (1,6GHz) Chipset Intel® EG20T
Operating System	Microsoft Windows 7 Pro/Ultimate 32 bit • Microsoft Windows Embedded Standard 7P 32bit 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. certified by ASEM O.S. not supported by Intel platform Microsoft Win64 • Microsoft Windows 8 / 2000 / 98 / NT
Video controller	Integrated in Intel® Atom™ microprocessor • 320MHz (E640) / 400MHz (E680) • LVDS 8bit/color digital interface
Video RAM	Dynamic Video Memory Technology max 512MB • Memory quantity is selected by operating system
System memory	DDR2-800 • Soldered on board • min 1 GB • max 2GB
Mass storage interfaces	1 x SATA 2 • 3Gb/s integrated on board
Compact Flash Slots	1 x Slot Compact Flash Type I integrated on board with external access
Bus expansions slots	2 x MiniPCI
Rear access interfaces	1 x Ethernet 10/100/1000 Mbps (RJ45): PHY Realtek® RTL8211E and MAC integrated in Intel® EG20T • 1 x Ethernet 10/100/1000 Mbps (RJ45): Intel® 82574L • 2 x USB 2.0 (Type A)
Rear access serial interfaces	1 x RS-232 (DB9M)
Environmental specifications	Operating temperature: 0° ÷ +50°C, 0° ÷ +45°C with 24x7 HDD or 18,5" LCD, +5° ÷ +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 (508)
Standard warranty	12 months • Warranty management by ASEM headquarters

DIMENSIONS (mm)

FRONT VIEW

FRONT PANEL CUT OUT

SIDE VIEW

LCD TFT	A	B	C	D	E _{1L} :E _{1H} /E ₂	F	G	H	J	Weight (kg)
15,6"	433	280,5	410	255	15:10,5/11,5	47,6	36	6	41,8	tbd
18,5"	503	320,5	480	300	10:10,5/11,5	47,6	35	6	41,8	tbd

CONNECTORS VIEW