


Industrial Automation - Products & Configurations
HT700-TFX BASIC SYSTEM

Basic configuration	LCD TFT 6,5" • Touch-Screen • Intel® Atom™ E640 1GHz • 1GB RAM • Stainless Steel 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	12,1" LCD TFT 4:3 • SVGA, 800x600, 16M colors • backlight LED, 500 cd/m2 • Viewing angle L:R:U:L (typ.): 65°:65°/45°:65° 12,1" Touch-Screen • 5 wires resistive technology • Controller integrated on board 12,1" LCD TFT 4:3 • XGA, 1024x768, 16M colors • backlight LED, 600 cd/m2 • Viewing angle L:R:U:L (typ.): 80°:80°/70°:70° 12,1" Touch-Screen • 5 wires resistive technology • Controller integrated on board 15" LCD TFT 4:3 • XGA, 1024x768, 16M colors • backlight LED, 450 cd/m2 • Viewing angle: L:R:U:D (typ.): 80°:80°/70°:70° 15" Touch-Screen • 5 wires resistive technology • Controller integrated on board
RAM MEMORY	1 GB • DDR2-800 • Soldered on board 2 GB • DDR2-800 • Soldered on-board • ONLY WITH PROCESSOR Intel® Atom™ E680 1,6GHz
INTERNAL PSU	Without UPS (uninterruptible power supply) With UPS (uninterruptible power supply) • integrated in power supply section • batteries kit not included > note 1

COMMON OPTIONS

SSD	SSD 2,5" SATA installation kit (SSD not included) SSD 2,5" SATA 2, 3Gb/s (Solid State Disk), SLC/MLC
HDD	HDD 2,5" SATA installation kit (HDD not included) • with shock absorber HDD 250GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • 24x7 HDD 320GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer HDD 500GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer
COMPACT FLASH	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
UPS BATTERIES KIT	Batteries kit for rear systems mounting • cables included Batteries kit for detached mounting (wall mount) • 100cm cable included
POWER SUPPLY	External DIN-guide power supply • Input Voltage 230V AC • Output Voltage 24V DC • Nominal power 60W
I/O BOARDS	8+8 channels DIN/DOUT optoisolated MiniPCI board • For technical details and supported drivers see pg.169 > note 3
FIELDBUS	NETcore® X MiniAPCI fieldbus module • For technical details and supported drivers see pg.171 > 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

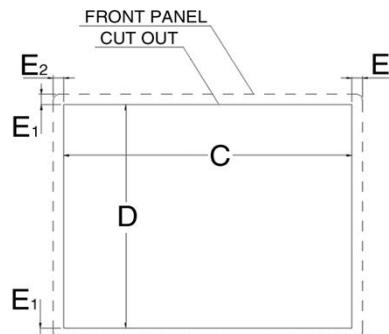
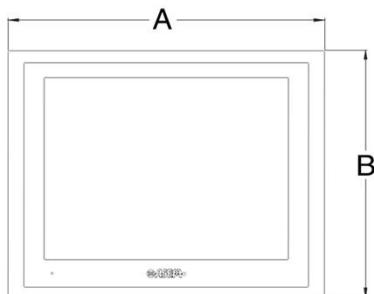
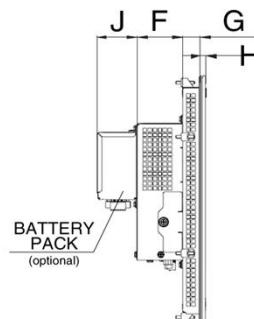
1: UPS module is supported by Microsoft Win32 operating systems and not by Microsoft WinCE operating systems

2: RS-232/422/485 standard and optoisolated can not be installed together

3: Boards with MiniPCI / MiniAPCI bus can not be installed together


TECHNICAL SPECIFICATIONS

Case	Panel mount
Overall dimensions & weight	See details on the related section below
Front panel	Stainless Steel TrueFlat 1.4301, medium surface brushing, size 180 • Polyester Autoflex EB A180, RAL 7035 color • ASEM logo serigraph printed
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 3h@25°C • Discharge time 15'@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 • Windows XP Pro 32bit • Microsoft Windows Embedded Standard 7E/7P 32bit • Windows Embedded Standard 2009 (Xpe SP3) 32bit • Windows Xpe SP2 • Microsoft Windows Embedded Compact 7 Pro 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	Microsoft Win64 • Microsoft Windows 8 / 2000 / 98 / NT
O.S. not supported by Intel platform	
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 II • 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	2 x Ethernet 10/100/1000 Mbps (RJ45) • 2 x USB 2.0 (Type A)
Rear access serial interfaces	1 x RS-232, (DB9M)
Environmental specifications	Operating temperature: 0° ÷ +50°C also with 24x7 HDD, 0° ÷ +45°C with 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) pending
Standard warranty	12 months • Warranty management by ASEM headquarters

DIMENSIONS (mm)
FRONT VIEW

SIDE VIEW


LCD TFT	A	B	C	D	E ₁ /E ₂	F	G	H	J	Weight (kg)
12,1"	335	270	315	250	10/10	47,6	19	5	41,8	tbd
15"	398	315	370	295	10/14	47,6	19	6	41,8	tbd

CONNECTORS VIEW
