



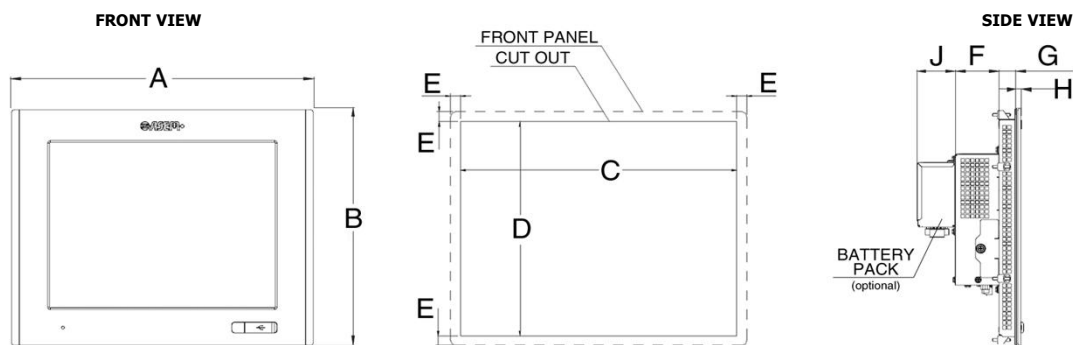
Industrial Automation - Products & Configurations

HT700 BASIC SYSTEM			
Basic configuration		LCD TFT 6,5" • Touch-Screen • Intel® Atom™ E640 1GHz • 1GB RAM • Aluminum front panel • fanless • isolated power supply • 12 months warranty	
PROCESSOR	Intel® Atom™ E640 • 1,00 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	6,5" LCD TFT 4:3 • VGA, 640x480, 16M colors • backlight LED, 800 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/70°:70°		
	7" LCD TFT 15:9 • WVGA, 800x480, 16M colors • backlight LED, 400 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/80°:80°		
	8,4" LCD TFT 4:3 • SVGA, 800x600, 16M colors • backlight LED, 450 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/60°:80°		
	10,4" LCD TFT 4:3 • SVGA, 800x600, 16M colors • backlight LED, 400 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/60°:80°		
	12,1" LCD TFT 4:3 • SVGA, 800x600, 16M colors • backlight LED, 500 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/80°:60°		
	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°		
	15" LCD TFT 4:3 • XGA, 1024x768, 16M colors • backlight LED, 450 cd/m2 • Viewing angle: L:R/U:L (typ): 80°:80°/70°:70°		
	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°		
TOUCH-SCREEN	18,5" LCD TFT 16:9 • 1366x768 (HD), 16M colors • backlight LED, 300 cd/m2 • Viewing angle L+R/U+L (typ): 170°/160°		
	No Touch-Screen		GFG > note 1
	6,5" Touch-Screen • 5 wires resistive technology • Controller integrated on board		-
	7" WIDE touch-screen • 5 wires resistive technology • Controller integrated on board		no
	8,4" Touch-Screen • 5 wires resistive technology • Controller integrated on board		no
	10,4" Touch-Screen • 5 wires resistive technology • Controller integrated on board		no
	12,1" Touch-Screen • 5 wires resistive technology • Controller integrated on board		yes
	15" Touch-Screen • 5 wires resistive technology • Controller integrated on board		yes
RAM MEMORY	15,6" Touch-Screen • 5 wires resistive technology • Controller integrated on board		no
	18,5" Touch-Screen • 5 wires resistive technology • Controller integrated on board		no
INTERNAL PSU	Without UPS (uninterruptible power supply)		
	With UPS (uninterruptible power supply) • integrated in power supply section • batteries kit not included > note 2		
OPTIONS ONLY FOR 6,5" and 7"W LCD SYSTEMS			
SSD Half-Slim	SSD Half-Slim SATA installation kit (SSD Half-Slim not included)		
	SSD Half-Slim SATA 2, 3Gb/s (Solid State Disk), MLC		
OPTIONS ONLY FOR 8,4" or GREATER LCD SYSTEMS			
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		
	HDD 500GB 2,5" • SATA 2, 3Gb/s • 5400rpm, 8 MB buffer • Advanced Format		
COMMON OPTIONS			
COMPACT FLASH	Compact Flash UDMA (SLC)		
COMMUNICATION PORT	1 x RS232/422/485 serial port (DB15M) • 1 x USB 2.0 port > note 3		
	1 x RS232/422/485 optoisolated serial port (DB15M) • 1 x USB 2.0 port > note 3		
	2 x RS232 serial ports (DB9M) > note 3		
	2 x USB 2.0 ports > note 3		
UPS BATTERIES KIT	Batteries kit for rear systems mounting • cable included > ONLY FOR SYSTEM WITH LCD ≥ 8,4"		
	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 4		
FIELDBUS	NETcore® X MiniAPCI fieldbus module • For technical details and supported drivers see pg.169 > note 4		
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: Glass Film Glass (GFG) touch-screen option: see pg.167 for the differences with standard touch-screen configuration			
2: UPS module is supported by Microsoft Win32 operating systems and not by Microsoft WinCE operating systems			
3: Communication ports cannot be installed together			
4: Boards with MiniPCI / MiniAPCI bus cannot be installed together			



TECHNICAL SPECIFICATIONS	
Case	Communication ports cannot be installed together
Overall dimensions & weight	See details on the related section
Front panel	Aluminum • ASEM logo sticker
Touchscreen	5 wires resistive technology • on board controller
Frontal protection	IP66
Power supply	Input voltage 18÷32 V 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 • 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. 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
Frontal access interfaces	1 x USB 2.0
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)



LCD TFT	A	B	C	D	E	F	G	H	J	Weight (kg)
6,5"	200	175	192	167	4	50,4	19	5	-	tbd
7" W	215	167	207	159	4	50,4	19	5	-	tbd
8,4"	250	210	230	190	10	47,6	19	5	41,8	tbd
10,4"	300	245	280	225	10	47,6	19	5	41,8	tbd
12,1"	335	270	315	250	10	47,6	19	5	41,8	tbd
15"	390	315	370	295	10	47,6	19	6	41,8	tbd
15,6"	430	275	410	255	10	47,6	19	6	41,8	tbd
18,5"	500	320	480	300	10	47,6	21	6	41,8	5,4

CONNECTORS VIEW

