



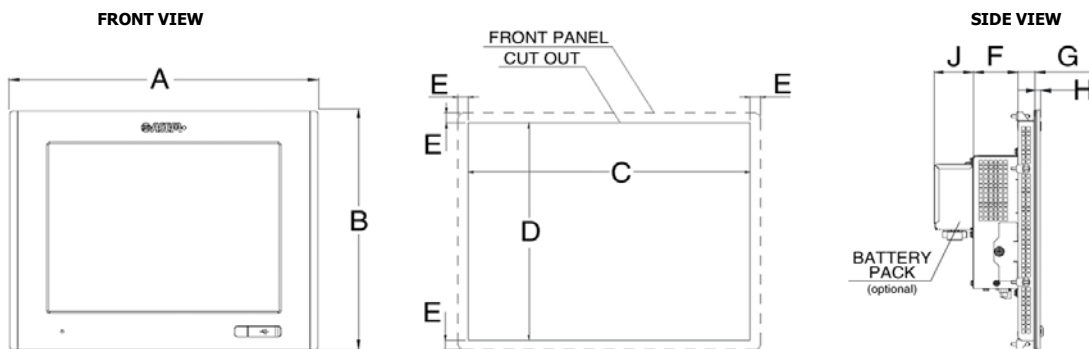
Industrial Automation - Products & Configurations

HT700 BASIC SYSTEM			POWER [W]
Basic configuration	LCD TFT 6,5" • Touch-Screen • Intel® Atom™ E640 1GHz • 1GB RAM • Aluminum front panel • fanless • UBIQUITY BASIC Win32 runtime • 24V DC isolated power supply • 12 months warranty		17
REMOTE ASSISTANCE	ASEM UBIQUITY BASIC Win32 runtime		-
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		+ 1
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 • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/70°:70° 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" 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° 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°		+ 1 + 1 + 2 + 7 + 12 + 10 + 9 + 19
		GFG > note 1	
TOUCH-SCREEN	No Touch-Screen 6,5" Touch-Screen • 5 wires resistive technology • Controller integrated on board 7" WIDE touch-screen • 5 wires resistive technology • Controller integrated on board 8,4" Touch-Screen • 5 wires resistive technology • Controller integrated on board 10,4" Touch-Screen 4:3 • 5 wires resistive technology • Controller integrated on board 12,1" Touch-Screen • 5 wires resistive technology • Controller integrated on board 15" Touch-Screen 4:3 • 5 wires resistive technology • Controller integrated on board 15,6" W Touch-Screen 16:9 • 5 wires resistive technology • Controller integrated on board 18,5" W Touch-Screen 16:9 • 5 wires resistive technology • Controller integrated on board	- no no yes no yes yes no no	+ 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0
RAM MEMORY	1 GB • DDR2-800 • Soldered on board 2 GB • DDR2-800 • Soldered on board		+ 1
INTERNAL PSU	Without UPS (uninterruptible power supply) With UPS (uninterruptible power supply) • integrated in power supply section • batteries kit not included > note 2		+ 1
OPTIONS ONLY FOR 6,5" and 7" W LCD SYSTEMS			POWER [W]
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		- 5
OPTIONS ONLY FOR 8,4" or GREATER LCD SYSTEMS			POWER [W]
SSD 2,5"	SSD 2,5" SATA installation kit (SSD not included) SSD 2,5" SATA 2, 3Gb/s (Solid State Disk), MLC		- 5
HDD 2,5"	HDD 2,5" SATA installation kit (HDD not included) • with shock absorber HDD 2,5" SATA		- 6
COMMON OPTIONS			POWER [W]
COMPACT FLASH	Compact Flash UDMA PATA		1
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		1 1 2 0
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		15 15
I/O BOARDS	8+8 channels DIN/DOUT optoisolated MiniPCI board > note 4		3
FIELDBUS	NETcore® X MiniAPCI fieldbus module • For technical details and supported drivers see related page > note 4		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			
For power consumption calculation we recommend to read the tips on pg. 4. The power values does not include the absorbed power of USB devices connected to the ports.			
1: Glass Film Glass (GFG) touch-screen option: see pg.226 for the differences with standard touch-screen configuration			
2: UPS module is supported by Microsoft Win32/64 operating systems			
3: Communication ports cannot be installed together			
4: Boards with MiniPCI / MiniAPCI bus cannot be installed together. For technical details and supported drivers see pg.228 or pg.233			



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/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 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
	O.S. certified by ASEM
	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
Software	Remote assistance ASEM UBIQUITY BASIC Win32 runtime license with ASEM sticker
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 LISTED (UL508)
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

