


Industrial Automation - Products & Configurations

HMI1200 BASIC Win32 Basic configuration > note 1	
Basic configuration	LCD TFT 8,4" • Touch-Screen • Intel Celeron M ULV 600MHz • 1 GB RAM • 2GB Compact Flash • fanless • Windows Embedded Standard 2009 International • Premium HMI 4 BASIC Win32 runtime • UBIQUITY PRO Win32 runtime • warranty 12 months

HMI1200 PRO Win32 Basic configuration > note 1	
Basic configuration	LCD TFT 8,4" • Touch-Screen • Intel Celeron 373 M ULV 1GHz • 1 GB RAM • 2GB Compact Flash • fanless • Windows Embedded Standard 2009 International • Premium HMI 4 PRO Win32 runtime • UBIQUITY PRO Win32 runtime • warranty 12 months

HMI1200 ADVANCED Win32 Basic configuration > note 1	
Basic configuration	LCD TFT 8,4" • Touch-Screen • Intel Celeron 373 M ULV 1GHz • 2 GB RAM • 2 GB Compact Flash • fanless • Windows Embedded Standard 2009 International • Premium HMI 4 ADVANCED Win32 runtime • UBIQUITY PRO Win32 runtime • warranty 12 months

	B	P	A			
HMI SOFTWARE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Premium HMI 4 BASIC Win32 runtime	↓	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Premium HMI 4 PRO Win32 runtime		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Premium HMI 4 ADVANCED Win32 runtime		
REMOTE ASSISTANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ASEM UBIQUITY PRO Win32 runtime	↓	
OPERATING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Microsoft Windows Embedded Standard 2009 International (license with Microsoft olographic sticker) > note 2		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Microsoft Windows Embedded Standard 2009 MUI-A (license with Microsoft olographic sticker) > note 2	↓	
PROCESSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intel Celeron M ULV • 600MHz, 400MHz front side bus, 512KB cache • socket 478 µFC-BGA		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intel Celeron 373 M ULV • 1GHz, 400MHz front side bus, 512KB cache • socket 478 µFC-BGA	↓	
DISPLAY & TOUCH-SCREEN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8,4" LCD TFT 4:3 • SVGA, 800x600, 16M colors • backlight LED, 600 cd/m2 • Viewing angle L:R/U:L (typ): 75°:75°/60°:70°		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8,4" Touch-Screen • 5 wires resistive technology • Controller integrated on board		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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°		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10,4" Touch-Screen • 5 wires resistive technology • Controller integrated on board		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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°		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12,1" Touch-Screen • 5 wires resistive technology • Controller integrated on board		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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°		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12,1" Touch-Screen • 5 wires resistive technology • Controller integrated on board		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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°		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15" Touch-Screen • 5 wires resistive technology • Controller integrated on board		
RAM MEMORY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 GB • 1 SODIMM module DDR2 PC6400		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 GB • 1 SODIMM module DDR2 PC6400	↓	
	COMPACT FLASH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 GB • Single-Level Cell flash tecnologia (SLC) • UltraDMA	
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4 GB • Single-Level Cell flash tecnologia (SLC) • UltraDMA	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	8 GB • Single-Level Cell flash tecnologia (SLC) • UltraDMA	↓	
WARRANTY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12 months on basic system and its variants	↓	

OPTIONS					
	B	P	A		
FIELDBUS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NETcore® X APCI for MPI • Kit add-on PCI FANLESS > note 4	↓
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NETcore® X APCI for PROFIBUS SLAVE • Kit add-on PCI FANLESS > note 4	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NETcore® X APCI for CANOpen SLAVE • Kit add-on PCI FANLESS > note 4	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NETcore® X APCI for CANOpen MASTER • Kit add-on PCI FANLESS > note 4	↓
COMMUNICATION PORTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RS-232/422/485 serial port • DB15 male connector > note 5	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RS-232/422/485 serial port • RS-422/485 optoisolated • DB15 male connector > note 4, 5	↓
POWER SUPPLY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uninterruptable power supply (UPS) • 15 minutes backup time (min) • equipped with batteries • mounted on PC's rear box	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Extension cable (length 1 m) for remote UPS installation	↓
WARRANTY EXTENSION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Warranty extension to 18 months on basic system and its variants	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Warranty extension to 24 months on basic system and its variants	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Warranty extension to 36 months on basic system and its variants	↓

NOTES	
1:	Price does not include Premium HMI Studio 2014 development tool licence that must be purchased one-off at the first order of a license or system that includes the Premium HMI software. See pg.163 Price does not include ASEM UBIQUITY DOMAIN that must be purchased one-off at the first order of a license or system that includes the UBIQUITY runtime. See pg.162
2:	WES 2009 International: Operating System only in English ; languages supported for customer applications: English, Arabic, Portuguese (Brazil), Chinese simplified (China), Chinese traditional (Taiwan), Czech, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (Portugal), Russian, Spanish, Swedish, Thai, Turkish. Are not present IME components (Input Method) for Japanese, Korean, Chinese simplified and traditional languages. WES 2009 MUI-A: Operating System with MUI components and language support (for customer defined applications) for following languages: English, Italian, German, French, Spanish.
3:	cULus certification is not available in configurations with 19" LCD TFT
4:	RS-232/422/485 standard and fieldbus cards cannot be installed together
5:	RS-232/422/485 standard and optoisolated cannot be installed together



HMI1200

Technical Specifications

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PHMI3 - runtime differences	BASIC	PRO	ADVANCED
I/O Bytes (Tags)	2.048	2.048	4.096
Alarms	2.048	2.048	2.048
Data Loggers	Only 2 and not on Database	Unlimited also on Database	Unlimited also on Database
Multi-Drivers	Max 2	Max 2	Max 4
SMS/E-mails			✓
Web Server			Max 2 clients connected
VBA Multithreading	Max 2 script	Script unlimited	Script unlimited
ActiveX- OCX		✓	✓
CFR21 part 11		✓	✓
Power Templates - Complex graphic objects with scripts and integrated variables		✓	✓
Networking RAS		✓	✓

For Premium HMI 4 main characteristics, see pg.164

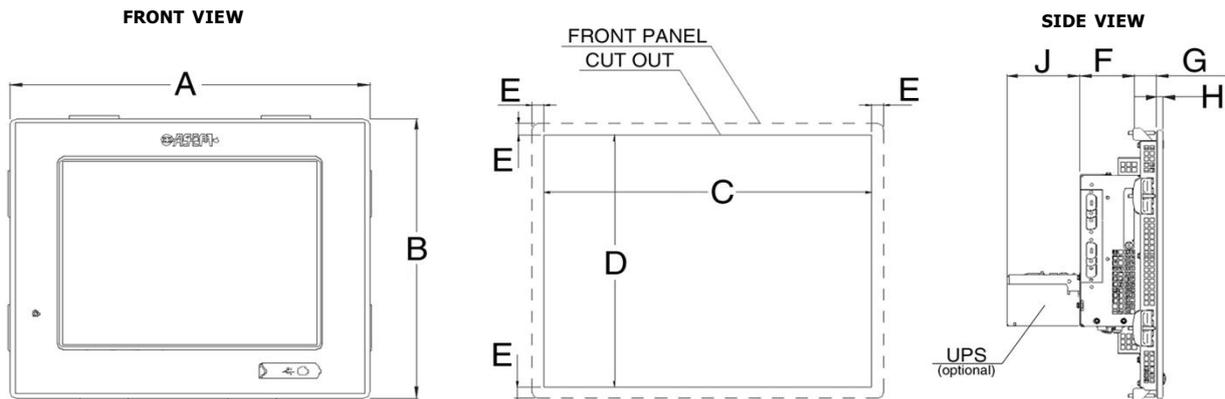
ASEM UBIQUITY PRO main features
Control Center software for access and management of services with user friendly interface and complete devices management
User profile with fine control of permissions
Remote desktop, file&task management, chat, screenshot
VPN with access to the Ethernet subnetwork of the remote device and serial passthrough support
Multiple connection from different Control Center by separated VPN for each client
Audit and usage statistics
Internet connection with PROXY
High security standards with usage of unique certificates and encrypted connections
Integrated firewall
Quality measurement of Internet connection with automatic selection of the best connectivity condition
Runtime update procedure with automatic shutdown and restart of the services
Ethernet-MPI gateway for remote assistance on devices with MPI interface

For ASEM UBIQUITY details, see pg.162



TECHNICAL SPECIFICATIONS	
Case	Panel mount
Overall dimensions & weight	See details on the related section
Front Panel	Aluminum / Polycarbonate Pantone 429C color
Frontal protection	IP65
Operating System	Microsoft Windows Embedded Standard 2009 "International" • license with Microsoft olographic sticker Microsoft Windows Embedded Standard 2009 "MUI-A" • license with Microsoft olographic sticker
Software	HMI Premium HMI 4 Win32 BASIC / PRO / ADVANCED runtime license with ASEM sticker Remote assistance ASEM UBIQUITY Win32 PRO runtime license with ASEM sticker
Power supply	Input voltage 18÷36 V DC • integrated on board
Motherboard	"All-In-One" type • ASEM 951/B
Processor	Intel Celeron M ULV • 600MHz, 400MHz front side bus, 512KB cache • socket 478 µFC-BGA Intel Celeron 373 M ULV • 1GHz, 400MHz front side bus, 512KB cache • socket 478 µFC-BGA
Watchdog	Time programmable
Chipset	Intel® 915GME + ICH6M
Graohic accelerator	Intel® GMA900 (Integrated on-chip Intel® 915GME)
Video controller	Integrated on-chip Intel® 915GME with standard analog VGA interface (external) and LVDS 8bit/color digital interface
Video RAM	Shared 64/128 MB selectable in system setup
System memory	DDR2 type • 1 x SODIMM module • PC6400 • min 1GB • max 2GB
Mass storage interfaces	1 x ATA/100 (Master e Slave), 1 x SATA 1 1,5Gb/s integrated on board
On-board options predisposition	Serial (also optoisolated) interfaces, as provided in the additional options
Compact Flash Slots	1 x Compact Flash Type II slot integrated on board, external access, 1 x Compact Flash Type I slot integrated on board, internal access
Bus expansions slots	1 x PCI for MPI/PROFIBUS/CANopen cards (optional)
Frontal access interfaces	1 x USB 2.0
Rear access interfaces	2 x Ethernet 10/100/1000 Mbps, (RJ45) • 1 x Keyboard/Mouse PS/2 connector• 4 x USB 2.0 • 1 x analog VGA (DB15-F, 2048x1536 QXGA)
Rear access serial interfaces	1 x RS-232 (DB9-M)
Environmental specifications	Operating temperature: 0° ÷ +50°C, 0° ÷ +45°C with 17" or 19" • Storage temperature: -20° ÷ +60°C • Humidity: 80% (non-condensing)
Approvals	CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1) • cJURus (60950-1)
Standard warranty	12 months • Warranty management by ASEM headquarters

DIMENSIONS (mm)



LCD TFT	A	B	C	D	E	F	G	H	J	Weight (kg)
8,4"	250	210	230	190	10	67,5	19	6	64	3,1
10,4"	300	245	280	225	10	67,5	19	6	64	4,0
12,1"	335	270	315	250	10	67,5	19	6	64	4,6
15"	390	315	370	295	10	67,5	19	6	64	5,3
17"	455	355	435	335	10	67,5	22,8	6	64	6,7
19"	490	388	470	368	10	67,5	28,8	6	64	7,4

VISTA CONNETTORI

