Industrial Automation - Products & Configurations

HMI600 BASIC
Basic configuration > note 1
Basic configuration — LCD TFT 6,5" ▪ Touch-Screen ▪ Geode LX800 500 MHz ▪ 1 GB RAM ▪ 1 GB Compact Flash ▪ fanless ▪ Windows CE 6.0 ▪ Premium HMI 4BASIC WinCE runtime ▪ UBIQUITY PRO WinCE runtime ▪ warranty 12 months

HMI600 ADVANCED
Basic configuration > note 1
Basic configuration — LCD TFT 6,5" ▪ Touch-Screen ▪ Geode LX800 500 MHz ▪ 1 GB RAM ▪ 2 GB Compact Flash ▪ fanless ▪ Windows CE 6.0 ▪ Premium HMI 4ADVANCED WinCE runtime ▪ ASEM UBIQUITY PRO WinCE runtime ▪ warranty 12 months

	B	A	
HMI SOFTWARE	●		Premium HMI 4 BASIC WinCE runtime
		●	Premium HMI 4 ADVANCED WinCE runtime
REMOTE ASSISTANCE	●	●	UBIQUITY PRO WinCE runtime
OPERATING SYSTEM	●	●	Microsoft WINDOWS CE 6.0 Pro runtime (license with Microsoft olographic sticker)
PROCESSOR	●	●	AMD Geode LX800 ▪ 500 MHz, 400 MHz front side bus, 128 KB cache L2 ▪ Soldered on-board
DISPLAY & TOUCH-SCREEN	●	●	6,5" LCD TFT 4:3 ▪ VGA, 640x480, 256K colors ▪ LED backlight, 800 cd/m2 ▪ Viewing angle L:R/U:L (typ): 80°:80°/70°:70°
	●	●	6,5" Touch-Screen ▪ 4 wires resistive technology ▪ Controller integrated on board
	●	●	8,4" LCD TFT 4:3 ▪ SVGA, 800x600, 256K colors ▪ LED backlight, 600 cd/m2 ▪ Viewing angle L:R/U:L (typ): 75°:75°/60°:70°
	●	●	8,4" Touch-Screen ▪ 5 wires resistive technology ▪ Controller integrated on board
	●	●	12,1" LCD TFT 4:3 ▪ SVGA, 800x600, 256K colors ▪ LED backlight, 500 cd/m2 ▪ Viewing angle L:R/U:L (typ): 80°:80°/80°:60°
	●	●	12,1" Touch-Screen ▪ 5 wires resistive technology ▪ Controller integrated on board
RAM MEMORY	●	●	1 GB ▪ DDR SODIMM (1 module) ▪ PC2700
COMPACT FLASH	●		1 GB ▪ Single-Level Cell flash tecnology (SLC) - UltraDMA
		●	2 GB ▪ Single-Level Cell flash tecnology (SLC) - UltraDMA
	●		2 GB ▪ Single-Level Cell flash tecnology (SLC) - UltraDMA
		●	4 GB ▪ Single-Level Cell flash tecnology (SLC) - UltraDMA
	●		4 GB ▪ Single-Level Cell flash tecnology (SLC) - UltraDMA
WARRANTY	●	●	12 month on basic system and its variants

OPTIONS			
	B	**A**	
FIELDBUS	●	●	NETcore® X MiniAPCI for MPI up to 12Mbit/s
	●	●	NETcore® X MiniAPCI for PROFIBUS SLAVE
	●	●	NETcore® X MiniAPCI for CANopen SLAVE
	●	●	NETcore® X MiniAPCI for CANopen MASTER
MPI	●	●	Adapter cable from DB15F to DB9F (MPI/PPI) **> note 2**
ETHERNET CARD	●	●	Ethernet 10/100Mbps MiniPCI
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: Price does not include Premium HMI Studio 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.225
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.222

2: Systems ensure MPI communication on RS485 at 187Kbit/s without additional hardware ▪ MPI protocol supports communication with SIEMENS S7-300 and S7-400 compatibile devices, it doesn't support communication with SIEMENS S7-200 compatible devices ▪ The cable adapts DB15F (RS485) connector on the system to the standard DB9F (MPI/PPI) connector.

HMI600

Technical Specifications

Industrial Automation - Products & Configurations

Premium HMI 4 runtime differences	BASIC	ADVANCED
RealTime DB (max, byte)	1.024	8.192
Alarms (max)	1.024	4.096
Recipes / Data Logger (ODBC)	Max 2	Unlimited
Communication drivers	Max 2	Max 4
Alarm notification (SMS, E-Mail)		✓
SMS notification via SMPP protocol		SMS using Internet gateway
Web Clients		Max 4 clients connected
Premium HMI Mobile		✓

For Premium HMI main characteristics, see pg.225

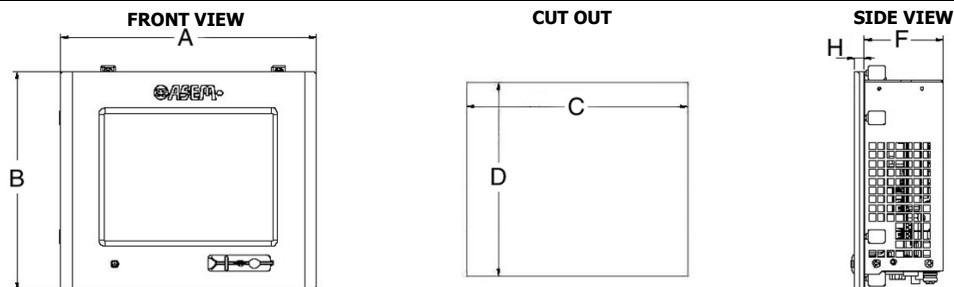| ASEM UBIQUITY PRO main features |
|---|
| Control Center application to access the service with intuitive and ergonomic user interface for a comprehensive machine park management |
| Control Center SDK to interface with 3rd part applications |
| PROXY server support |
| Internet sharing with LAN devices |
| Interactive tool: remote desktop (RDP sessions on Windows Server and multiple monitor), file transfer, task manager, chat, screenshots |
| Optimized VPN with access limited to the remote device with Ubiquity Runtime |
| Optimized VPN with entire access to the complete remote device sub-network and serial passthrough |
| Multiple connections to a single Runtime with individual VPN per each Control Center client |
| Connection log accessible from Runtime device |
| Log and audit of last 30 days connections activities also exportable from Runtime side |
| High level of security with exclusive use of encrypted connections and certificates |
| Integrated VPN Firewall |
| Support for Runtime update with automatic services restart |

For ASEM UBIQUITY details, see pg.222

TECHNICAL SPECIFICATIONS	
Case	Panel Mount
Overall dimensions & weight	See details on the related section
Frontal protection	IP65
Operating System	Microsoft Windows CE 6.0 Pro ▪ license with Microsoft olographic sticker
Software HMI	Premium HMI 4 WinCE BASIC / ADVANCED runtime license with ASEM sticker
Remote assistance	ASEM UBIQUITY WinCE PRO runtime license with ASEM sticker
Power supply	Input voltage 9÷36V DC ▪ Power supply section integrated on board
Motherboard	"All-In-One" type ▪ ASEM 831-V
Processor	AMD Geode LX800 ▪ 500 MHz, 400 MHz front side bus, 128 KB cache L2 ▪ Solded on board
Video controller	Integrated on-board with LVDS 6bit/color digital I/F
Video RAM	shared 2 / 128 MB selectable in system setup
Compact Flash Slots	1 x Compact Flash slot Type II integrated on-board with external access
Bus expansions slots	2 x MiniPCI for MPI/PROFIBUS/CANopen cards
Front access interfaces	1 x USB 2.0
Rear access interfaces	1 x Ethernet 10/100 Mbps, (RJ45) ▪ 2 x USB 2.0
Rear access serial interfaces	1 x RS-232 (DB9M) ▪ 1 x RS-232/422/485 (DB15M) / MPI 187Kbit/s compatible **> note 2**
Environmental specifications	Operating temperature: 0° ÷ +50°C ▪ storage temperature: -20° ÷ +60°C ▪ humidity: 80% (non-condensing)
Approvals	CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1) ▪ cURus (60950-1)
Standard warranty	12 months ▪ Warranty management by ASEM headquarters

DIMENSIONS (mm)

FRONT VIEW   CUT OUT   SIDE VIEW

LCD TFT	A	B	C	D	H	F	Weight (Kg)
6,5"	201	168	176	149	6	68	1,6
8,4"	240	202	213	179	6	73	2,2
12,1"	321	262	292	239	6	73	3,2

CONNECTORS VIEW

Power Plug   2 x USB   1 x LAN   FIELDBUSES (optional)   Compact Flash

1 x RS232/422/485 MPI   1 x RS232