



# HMI600 BASIC

## fanless

**Industrial Automation - Products and Configurations**

<b>HMI600 BASIC</b> Basic configuration > note 1	
Basic configuration	LCD TFT 6,5" • Touch-Screen 6,5" • Geode LX800 500 MHz • 512 MB RAM • 256 MB Compact Flash • fanless • Windows CE 6.0 • Premium HMI 3 BASIC CE runtime • UBIQUITY PRO-Eth CE runtime • warranty 24 months
<b>CPU</b>	AMD Geode LX800 • 500 MHz, 400 MHz front side bus, 128 KB cache L2 • Soldered on-board
<b>DISPLAY &amp; TOUCHSCREEN</b>	6,5" LCD TFT • VGA, 640x480, 256K colors • backlight LED, 800 cd/m2 • Viewing angle: 160° H, 140° V Touch-Screen 6,5" • 4-wire resistive technology • Controller integrated on-board
	8,4" LCD TFT • SVGA, 800x600, 256K colors • backlight LED, 400 cd/m2 • Viewing angle: 120° H, 100° V Touch-Screen 8,4" • 5-wire resistive technology • Controller integrated on-board
	12.1" LCD TFT • SVGA, 800x600, 256K colors • backlight LED, 450 cd/m2 • Viewing angle: 160° H, 140° V Touch-Screen 12.1" • 5-wire resistive technology • Controller integrated on-board
<b>RAM MEMORY</b>	512 MB • DDR SODIMM (1 module) • PC2700
<b>COMPACT FLASH</b>	256 MB • Single-Level Cell flash technology (SLC) • UltraDMA
	512 MB • Single-Level Cell flash technology (SLC) • UltraDMA
	1 GB • Single-Level Cell flash technology (SLC) • UltraDMA
	2 GB • Single-Level Cell flash technology (SLC) • UltraDMA
<b>OPERATING SYSTEM</b>	Microsoft WINDOWS CE 6.0 Pro runtime (license with Microsoft olographic sticker)
	Microsoft WINDOWS CE 5.0 Pro runtime (license with Microsoft olographic sticker)
<b>SOFTWARE</b>	Premium HMI 3 BASIC CE runtime (license with ASEM sticker)
	UBIQUITY PRO-Eth CE runtime (license with ASEM sticker)
<b>MPI</b>	Without predisposition
	With predisposition for MPI driver for PHMI3 Win CE 6.0 on RS485 at 187,5Kbit/s • adapter cable from DB15F to DB9F (MPI)
<b>WARRANTY</b>	24 month on basic system and its variants
<b>OPTIONS mounting only at order time</b>	
<b>FIELDBUS</b>	NETcore® X MiniAPCI for MPI up to 12Mbit/s
	NETcore® X MiniAPCI for PROFIBUS SLAVE
	NETcore® X MiniAPCI for CANopen MASTER
	NETcore® X MiniAPCI for CANopen SLAVE
<b>ETHERNET CARD</b>	Ethernet 10/100Mbps MiniPCI
<b>WARRANTY EXTENSION</b>	Warranty extension to 36 months on basic system and its variants
<b>NOTES</b>	
1: Price doesn't include Premium HMI Studio 2011 development tool licence cost that has to be bought one shot fee at the first HMI system order. See 36 Price doesn't include ASEM UBIQUITY CONTROL CENTER licence cost that has to be bought one shot fee at the first runtime usage. See pg.35	



# HMI600 ADVANCED

## fanless

**Industrial Automation - Products and Configurations**

<b>HMI600 ADVANCED</b> Basic configuration > note 1	
Basic configuration	LCD TFT 6,5" • Touch-Screen 6,5" • Geode LX800 500 MHz • 512 MB RAM • 512 MB Compact Flash • fanless • Windows CE 6.0 • Premium HMI 3 ADVANCED CE runtime • ASEM UBIQUITY PRO-Eth CE runtime • warranty 24 months
<b>CPU</b>	AMD Geode LX800 • 500 MHz, 400 MHz front side bus, 128 KB cache L2 • Soldered on-board
<b>DISPLAY &amp; TOUCHSCREEN</b>	6,5" LCD TFT • VGA, 640x480, 256K colors • backlight LED, 800 cd/m2 • Viewing angle: 160° H, 140° V Touch-Screen 6,5" • 4-wire resistive technology • Controller integrated on-board
	8,4" LCD TFT • SVGA, 800x600, 256K colors • backlight LED, 400 cd/m2 • Viewing angle: 120° H, 100° V Touch-Screen 8,4" • 5-wire resistive technology • Controller integrated on-board
	12.1" LCD TFT • SVGA, 800x600, 256K colors • backlight LED, 450 cd/m2 • Viewing angle: 160° H, 140° V Touch-Screen 12.1" • 5-wire resistive technology • Controller integrated on-board
<b>RAM MEMORY</b>	512 MB • DDR SODIMM (1 module) • PC2700
<b>COMPACT FLASH</b>	512 MB • Single-Level Cell flash technology (SLC) - UltraDMA
	1 GB • Single-Level Cell flash technology (SLC) - UltraDMA
	2 GB • Single-Level Cell flash technology (SLC) - UltraDMA
	4 GB • Single-Level Cell flash technology (SLC) - UltraDMA
<b>OPERATING SYSTEM</b>	Microsoft WINDOWS CE 6.0 Professional runtime (license with Microsoft olographic sticker)
	Microsoft WINDOWS CE 5.0 Pro runtime (license with Microsoft olographic sticker)
<b>SOFTWARE</b>	Premium HMI 3 ADVANCED CE runtime (license with ASEM sticker)
	UBIQUITY PRO-Eth CE runtime (license with ASEM sticker)
<b>MPI</b>	Without predisposition
	With predisposition for MPI driver for PHMI3 Win CE 6.0 on RS485 at 187,5Kbit/s • adapter cable from DB15F to DB9F (MPI)
<b>WARRANTY</b>	24 month on basic system and its variants
<b>OPTIONS mounting only at order time</b>	
<b>FIELDBUS</b>	NETcore® X MiniAPCI for MPI up to 12Mbit/s
	NETcore® X MiniAPCI for PROFIBUS SLAVE
	NETcore® X MiniAPCI for CANopen MASTER
	NETcore® X MiniAPCI for CANopen SLAVE
<b>ETHERNET CARD</b>	Ethernet 10/100Mbps MiniPCI
<b>WARRANTY EXTENSION</b>	Warranty extension to 36 months on basic system and its variants
<b>NOTES</b>	
1: Price doesn't include Premium HMI Studio 2011 development tool licence cost that has to be bought one shot fee at the first HMI system order. See 36 Price doesn't include ASEM UBIQUITY CONTROL CENTER licence cost that has to be bought one shot fee at the first runtime usage. See pg.35	



# HMI600

## Technical Specifications

### Industrial Automation - Products and Configurations

Premium HMI 3 - runtime differences	BASIC	ADVANCED
I/O Bytes (Tags)	1.024	4.096
Alarms	512	2.048
Data Loggers on Database	Max 2	Unlimited
Multi-Drivers	Max 2	Max 4
SMS/E-mails	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Web Server	<input type="checkbox"/>	Max 2 client connected

For Premium HMI 3 main characteristics, see pg.36

### ASEM UBIQUITY PRO-Eth main features

Remote desktop, file&task management, chat, screenshot

VPN with access to remote system Ethernet subnet

API for customer applications interface

Persistence log on runtime operations

Multiple connections from different Control Center

Domain creation, users account and remote PC organization structured

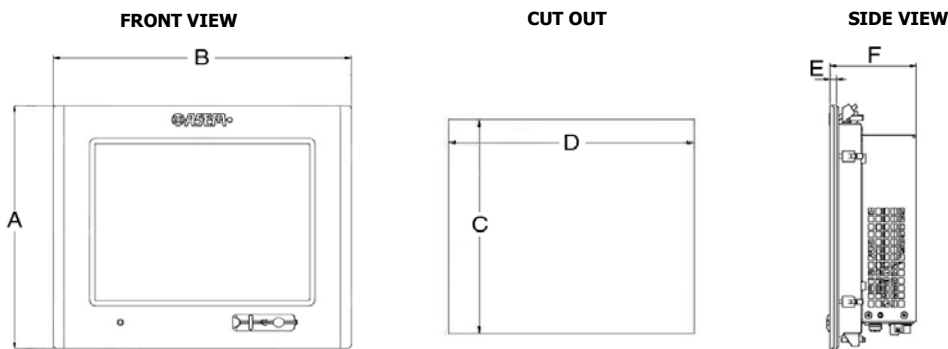
Automatic connection

For ASEM UBIQUITY details, see pg.35

### TECHNICAL SPECIFICATIONS

Case	Panel Mount
Overall dimensions & weight	See details on related section
Frontal protection	IP65
Operating System	Microsoft Windows CE 6.0 Professional • license with Microsoft olographic sticker
Software	Premium HMI 3 WinCE BASIC / ADVANCED runtime • license with ASEM sticker ASEM UBIQUITY WinCE PRO-Eth runtime • license with ASEM sticker
Power supply	9÷36 VDC integrated on-board • autoranging
Motherboard	"All-In-One" type • ASEM 831-V
CPU	AMD Geode LX800 • 500 MHz, 400 MHz front side bus, 128 KB cache L2 • Soldered on board
Video controller	Integrated on-board with LVDS digital I/F
Video RAM (dedicated)	2 / 128 MB selectable in system setup
Compact Flash Slots	1 x Compact Flash slot Type II integrated on-board with external access
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 (DB9-M) • 1 x RS-232/422/485 (DB15M) / MPI (variant)
Environmental specifications	Operating temperature: 0 ÷ +50°C • storage temperature: -20 ÷ +60°C • humidity: 80% (non-condensing)

### OVERALL DIMENSIONS (mm)



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

### CONNECTORS VIEW

