



HMI25 / HMI25-TF

fanless

Industrial Automation - Products & Configurations

HMI25 BASIC	
Basic configuration > note 1	
Basic configuration	LCD TFT 4,3" • Touch-Screen • ARM Cortex A8 1 GHz • 512 MB RAM • 256 MB NAND-Flash • 2GB eMMC • fanless • Windows WEC7 • Premium HMI 4 BASIC WinCE runtime • ASEM UBIQUITY PRO WinCE runtime • ASEM System Manager • Aluminum front panel • 12 months warranty

HMI25-TF BASIC	
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Basic configuration	LCD TFT 4,3" • Touch-Screen • ARM Cortex A8 1 GHz • 512 MB RAM • 256 MB NAND-Flash • 2GB eMMC • fanless • Windows WEC7 • Premium HMI 4 BASIC WinCE runtime • ASEM UBIQUITY PRO WinCE runtime • ASEM System Manager • Aluminum TrueFlat front panel • 12 months warranty

	AL	TF		
HMI SOFTWARE	•	•	Premium HMI 4 BASIC WinCE runtime	
	•	•	Premium HMI 4 ADVANCED WinCE runtime	
REMOTE ASSISTANCE	•	•	ASEM UBIQUITY PRO WinCE runtime	
FRONT PANEL	•		Aluminum front panel • ASEM logo sticker	
		•	Aluminum TrueFlat front panel with touch-screen overlaminated with OCA (Optical Clear Adhesive) • ASEM logo serigraph printed	
PROCESSOR	•	•	ARM Cortex A8 processor • Freescale i.MX535 • 1 GHz • 400Mhz memory bus • Soldered on board	
DISPLAY & TOUCH-SCREEN	•		4,3" LCD TFT 16:9 • WQVGA 480x272, 16M colors • backlight LED 400 cd/m2 • Viewing angle L+R/U+L (typ): 130°/90°	
			4,3" WIDE touch-screen • 4 wires resistive technology • Controller integrated on board	
	•		7" LCD TFT 15:9 • WVGA 800x480, 16M colors • backlight LED 500 cd/m2 • Viewing angle L:R/U:L (typ): 70°:70°/60°:60°	
			7" WIDE touch-screen • 4 wires resistive technology • Controller integrated on board	
		•	4,3" LCD TFT 16:9 • WQVGA 480x272, 16M colors • backlight LED 400 cd/m2 • Viewing angle L+R/U+L (typ): 130°/90°	
		•	4,3" WIDE touch-screen • 4 wires resistive technology • Controller integrated on board	
WARRANTY	•	•	12 months on system and its variants	

OPTIONS				
	AL	TF		
MPI	•	•	Adapter cable from DB15F to DB9F (MPI/PPI)	
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 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



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Technical Specifications

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Premium HMI 4 runtimes differences	BASIC	ADVANCED
I/O Bytes (Tags)	1.024	4.096
Alarms	512	2.048
Data Loggers on SQL Database for CE	Max 2	Unlimited
Multi-Drivers	Max 2	Max 4
SMS/E-mails		✓
Web Server		Max 2 clients connected

For Premium HMI 4 details, see pg.163

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

ASM (ASEM System Manager). Control Panel utilities
Backup&Restore - Complete system cloning or selective backup and restore of the installed softwares
Screensaver - Display brightness control or display switch off after an inactivity period
Antialiasing - Softens the characters matrix

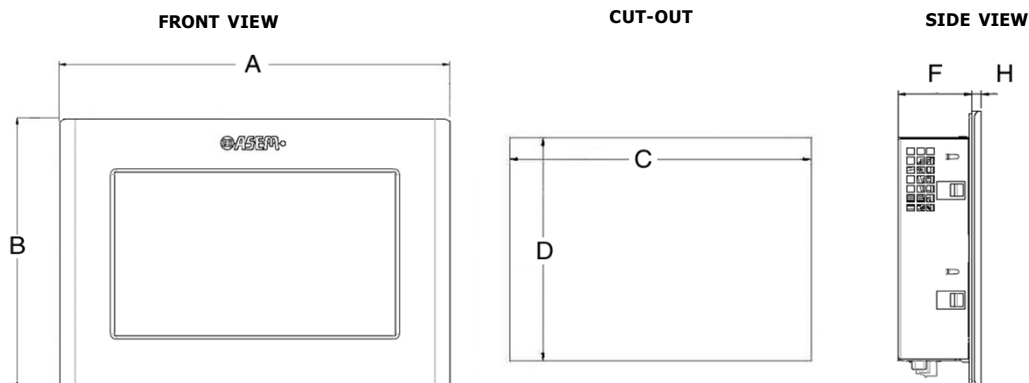
TECHNICAL SPECIFICATIONS	
Case	Panel mount
Overall dimensions & weight	See details on the related section
Front Panel	HMI25 Aluminum • ASEM logo sticker HMI25-TF Aluminum TrueFlat • Polycarbonate Pantone Cool Grey 4C color • ASEM logo serigraph printed
Touchscreen	HMI25 4 wires resistive technology • on board controller HMI25-TF 4 wires resistive technology • overlaminated with OCA (Optical Clear Adhesive) • on board controller
Frontal protection	IP66, Enclosure type 4X (Indoor use only)
Operating System	Microsoft Windows Embedded Compact 7 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 Utility ASEM System Manager • Backup&Restore, Screensaver, Antialiasing
Power supply	Input voltage 18÷36V DC • Power supply section integrated on board
Motherboard	"All-In-One" type • ASEM R132
Processor	ARM Cortex A8 • Freescale i.MX535 • 1 GHz, 400 MHz system memory bus • Soldered on board • GPU (Graphic Processor Unit) integrated
RAM memory	512MB DDR3-800 • Soldered on board
Mass storage	NAND-Flash 256MB Read-Only • for operating system and runtime eMMC (Solid State Disk) 2GB, 8bit, file system organization • for projects and applications
Rear access interfaces	1 x Ethernet 100 Mbps (RJ45) • 1 x USB 2.0 (Type-A / host)
Rear access serial interfaces	1 x RS-232/422/485 (DB15M) MPI protocol compatibile up to 187,5Kbit/s
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) • cULus (508)
Standard warranty	12 months • Warranty management by ASEM headquarters



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Technical Specifications

DIMENSIONS (mm)



HMI25

LCD TFT	A	B	C	D	H	F	Weight (Kg)
4,3"	140	95	131	86	5	30	0,7
7"W	215	155	204	144	5	40	1,2

HMI25-TF

LCD TFT	A	B	C	D	H	F	Weight (Kg)
4,3"	140	95	131	86	4	30	0,7
7"W	215	155	204	144	4	40	1,2

CONNECTORS VIEW (4,3")

