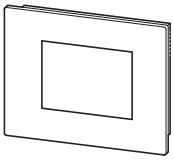
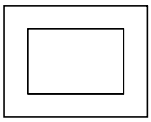
HPL14007EN

	Display		Screen diagonal Inches	Resolution Pixels	Communication interface	**Part No.** Article No.	**Price** See price list	Std. pack
MFD4								
• Memory card pluggable (optional) → Page 14/41 • Real-time clock • Operating system: Windows CE								
	Resistive touch 5.7" TFT LCD 32 k Colors		5.7	320 x 240	Ethernet CANopen/easyNet RS232	**MFD4-5-XRC-30** 109428		1 off
XVH300								
• HMI (No PLC function possible) with communication through on-board interface. • Communication scope extendable through licensing, → Page 14/12. • Standard front, special front please inquire • Metal enclosure and front plate • Processor: RISC central processing unit, 32-bit, 200 MHz • OS, program and data memory: 64 MB • Display: 5.7" CSTN LCD (Color display), 256 colors • Built-in interfaces: 1 × Ethernet, 1 × USB device, communications interface • 1 slot for 1 Compact Flash™ card • Software (engineering): visualization = GALILEO or EPAM • WinCE license required → XV accessories • Compact Flash™ required → XV accessories								
	Infra-red touch 5.7" CSTN LCD (Color display)	Standard front with standard membrane Laminated safety glass, non-reflective	5.7	320 x 240	–	**XVH-340-57BAS-1-10** 139869		1 off
			5.7	320 x 240	CAN	**XVH-340-57CAN-1-10** 139870		
			5.7	320 x 240	PROFIBUS	**XVH-340-57MPI-1-10** 139871		
			5.7	320 x 240	RS485 (Suconet K) RS232 (Sucom A)	**XVH-342-57SKS-1-10** 139873		
		Satin-finish brushed stainless steel Laminated safety glass, non-reflective	5.7	320 x 240	CAN	**XVH-340-57CAN-1-50**[1)] 139872		
	Resistive touch 5.7" CSTN LCD (Color display)	Standard front with standard membrane (fully laminated)	5.7	320 x 240	–	**XVH-330-57BAS-1-10** 139866		
			5.7	320 x 240	CAN	**XVH-330-57CAN-1-10** 139867		
			5.7	320 x 240	PROFIBUS	**XVH-330-57MPI-1-10** 139868		

Notes

[1)] Approved for IP69K.
Observe installation instructions to IP69K.

Information relevant for export to North America

Product Standards	UL 60950-01; cUL; IEC/EN 61131-2; CE marking
UL File No.	E208621
UL CCN	NWGQ2, NWGQ8
CSA File No.	UL report applies to both US and Canada
CSA Class No.	–
NA Certification	UL Recognized, certified by UL for use in Canada
Conditions of Acceptability	The investigated Pollution Degree is: 2 Proper bonding to the end-product main protective earthing termination is: Required The following end-product enclosures are required: Fire, Electrical The unit must be supplied via a SELV source. The provided Ethernet Connection is only allowed to connect to inhouse networks.
Degree of Protection	IEC: IP65, UL/CSA Type: -

	XVH-340-57BAS-1-10	XVH-340-57CAN-1-10	XVH-340-57MPI-1-10
Display			
Screen diagonal/type	5.7" CSTN LCD (color)	5.7" CSTN LCD (color)	5.7" CSTN LCD (color)
Resolution	QVGA (320 × 240 pixels or 240 × 320 pixels in portrait format)		
Visible screen area	115 mm x 86 mm	115 mm x 86 mm	115 mm x 86 mm
Color resolution (grayscale or color)	256 colors	256 colors	256 colors
Contrast ratio	Normally 35:1	Normally 35:1	Normally 35:1
Brightness	Normally 150 cd/m²	Normally 150 cd/m²	Normally 150 cd/m²
Backlight	1 x CCFL, dimmable via software		
Lifespan of backlight	Normally 50000 h	Normally 50000 h	Normally 50000 h
Resistive touch protective screen	–	–	–
Infra-red touch protective screen	Laminated safety glass, non-reflective		
Operation			
Technology	Infra-red touch, 47 × 31 logic channels		
System			
Processor	RISC, 32-bit, 200 MHz	RISC, 32-bit, 200 MHz	RISC, 32-bit, 200 MHz
Internal memory			
DRAM (OS, program and data memory)	64 MByte	64 MByte	64 MByte
FLASH (can be used for data backup)	Approx. 1.5 MByte available	Approx. 1.5 MByte available	Approx. 1.5 MByte available
NVRAM (Retain data)	–	–	–
External memory			
CF slot	1 x CompactFlash card type I/II for operating system, programs and data		
Real-time clock (battery backup)			
Battery	Zero maintenance	Zero maintenance	Zero maintenance
Backup time at zero voltage	Normally 10 years	Normally 10 years	Normally 10 years
Operating system	Windows CE	Windows CE	Windows CE
Engineering			
Visualization software	GALILEO/EPAM	GALILEO/EPAM	GALILEO/EPAM
PLC programming software	–	–	–
Interfaces, communication			
Ethernet	100Base-TX/10Base-T	100Base-TX/10Base-T	100Base-TX/10Base-T
System port	–	–	–
Com Port	–	–	–
CAN	–	CAN, isolated (Sub-D 9-pin plug)	–
PROFIBUS	–	–	PROFIBUS galvanically isolated, max. 1.5 MBit/s (D-sub 9-pin socket, UNC)
USB device	USB 1.1, not isolated		
Power supply			
Nominal voltage	24 V DC SELV (safety extra low voltage)		
Permissible voltage	R.m.s.: 20.4 – 28.8 V DC (rated operating voltage -15 %/+20 %) Absolute with ripple: 19.2 – 30.0 V DC 35 V DC for a duration < 100 ms		
Voltage dips	20 ms from nominal voltage (24 V DC), 2 ms from undervoltage (20.4 V DC)		
Input power	Max. 16 W (normally 12 W)	Max. 16 W (normally 12 W)	Max. 16 W (normally 12 W)
Protection against polarity reversal	Yes	Yes	Yes
Fuse	Yes (fuse not accessible)		
Potential isolation	No (0V connection to housing potential)		

XVH-342-57SKS-1-10	XVH-340-57CAN-1-50	XVH-330-57BAS-1-10	XVH-330-57CAN-1-10	XVH-330-57MPI-1-10
5.7" CSTN LCD (color)	5.7" CSTN LCD (color)	5.7" CSTN LCD (color)	5.7" CSTN LCD (color)	5.7" CSTN LCD (color)
QVGA (320 × 240 pixels or 240 × 320 pixels in portrait format)				
115 mm x 86 mm	115 mm x 86 mm	115 mm x 86 mm	115 mm x 86 mm	115 mm x 86 mm
256 colors	256 colors	256 colors	256 colors	256 colors
Normally 35:1	Normally 35:1	Normally 35:1	Normally 35:1	Normally 35:1
Normally 150 cd/m²	Normally 150 cd/m²	Normally 150 cd/m²	Normally 150 cd/m²	Normally 150 cd/m²
1 x CCFL, dimmable via software				
Normally 50000 h	Normally 50000 h	Normally 50000 h	Normally 50000 h	Normally 50000 h
–	–	Touch sensor (glass with membrane)	Touch sensor (glass with membrane)	Touch sensor (glass with membrane)
Laminated safety glass, non-reflective		–	–	–
Infra-red touch, 47 × 31 logic channels		Resistive touch, 4-conductor	Resistive touch, 4-conductor	Resistive touch, 4-conductor
RISC, 32-bit, 200 MHz	RISC, 32-bit, 200 MHz	RISC, 32-bit, 200 MHz	RISC, 32-bit, 200 MHz	RISC, 32-bit, 200 MHz
64 MByte	64 MByte	64 MByte	64 MByte	64 MByte
Approx. 1.5 MByte available	Approx. 1.5 MByte available	Approx. 1.5 MByte available	Approx. 1.5 MByte available	Approx. 1.5 MByte available
–	–	–	–	–
1 x CompactFlash card type I/II for operating system, programs and data				
Zero maintenance	Zero maintenance	Zero maintenance	Zero maintenance	Zero maintenance
Normally 10 years	Normally 10 years	Normally 10 years	Normally 10 years	Normally 10 years
Windows CE	Windows CE	Windows CE	Windows CE	Windows CE
GALILEO/EPAM	GALILEO/EPAM	GALILEO/EPAM	GALILEO/EPAM	GALILEO/EPAM
–	–	–	–	–
100Base-TX/10Base-T	100Base-TX/10Base-T	100Base-TX/10Base-T	100Base-TX/10Base-T	100Base-TX/10Base-T
RS232 (Sucom A), not isolated (Sub-D 9.pin plug, UNC)	–	–	–	–
RS485 (Suconet K), isolated (Sub-D 9-pin socket, UNC)	–	–	–	–
–	CAN, galvanically isolated (D-sub 9-pin, UNC)	–	CAN, galvanically isolated (D-sub 9-pin, UNC)	–
–	–	–	–	PROFIBUS galvanically isolated, max. 1.5 MBit/s (D-sub 9-pin socket, UNC)
USB 1.1, not isolated				
24 V DC SELV (safety extra low voltage)				
R.m.s.: 20.4 – 28.8 V DC (rated operating voltage -15 %/+20 %) Absolute with ripple: 19.2 – 30.0 V DC 35 V DC for a duration < 100 ms				
20 ms from nominal voltage (24 V DC), 2 ms from undervoltage (20.4 V DC)				
Max. 21 W (normally 17 W)	Max. 16 W (normally 12 W)	Max. 16 W (normally 12 W)	Max. 16 W (normally 12 W)	Max. 16 W (normally 12 W)
Yes	Yes	Yes	Yes	Yes
Yes (fuse not accessible)				
No (0V connection to housing potential)				