

# HMI2200

## Advanced visualization systems with Intel® Celeron™ processor



ASEM HMI2200 are powered by the Intel® Celeron™ J1900 2.0GHz quad core processor of the Bay Trail SoC platform and based on Windows Embedded Standard 7E/7P operating systems. The HMI2200 family integrates Premium HMI visualization software available in WinCE Basic and Advanced versions and in Win32 Basic, Pro or Advanced versions, characterized by greater openness and functionality compared to WinCE versions. HMI2200 are also equipped with the remote assistance

software Ubiquity. HMI2200 operator panels feature a wide range of 16 million colours TFT Led Backlight LCDs in various display sizes. The front panels are available in aluminium, aluminium True Flat with 5 wires resistive touchscreen or in aluminium-true flat Multitouch version with capacitive touchscreen. The all-in-one motherboard includes two rear-access USB 2.0 ports and one rear-access USB 3.0 port, one USB 2.0 port on the front panel (not on the Multitouch front), two 10/100/1000 Mbps Ethernet

ports with Jumbo Frame e Wake on Lan support, one RS232 serial interface, one CFast SATA II rear access slot, one DVI-I (DVI-D + VGA) video output and DDR3 1066 MHz system RAM memory configurable up to 8 GB. HMI2200 can be equipped with ASEM NETcore® X boards to communicate with industrial fieldbuses as Profibus, MPI or CANopen. The 24VDC HMI2200 (18÷32 VDC) operator panels feature the optional integrated UPS.



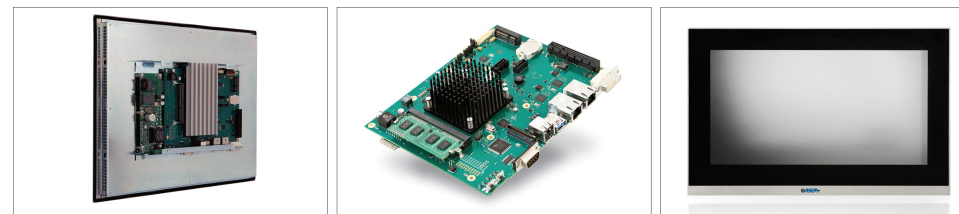
UBIQUITY

PREMIUM HMI

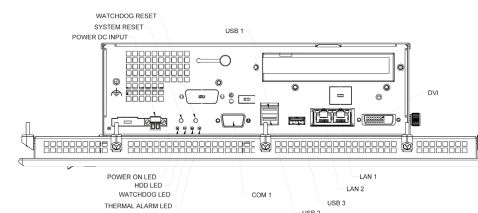
### + Highlights

- Premium HMI 4 WinCE Basic and Advanced and Win 32 Basic, Pro e Advanced Runtimes
- High performance Intel® Bay Trail SoC Celeron J1900 quad core processor
- 10.1" and 12.1" in 16:10 wide aspect ratio, 10.4", 12.1" and 15" in 4:3 aspect ratio, 17" and 19" in 5:4 aspect ratio, 15.6", 18.5", 21.5", 24" in 16:9 wide aspect ratio TFT LCDs
- Front panels in Aluminium, Aluminium True Flat or Aluminium True Flat Multitouch
- IP66 front degree of protection
- Operating temperature 0°C ÷ +50°C
- Optional UPS (Uninterruptible Power Supply)
- UL508 listed component
- Optional ATX mode push button kit

## Gallery



## I/O shield



## Technical data

	HMI2200 Win32	HMI2200-TF Win32
<b>HMI Software</b>	PREMIUM HMI 4 BASIC / PRO / ADVANCED	
<b>REMOTE ASSISTANCE SW</b>	ASEM UBIQUITY PRO	
<b>O.S. INSTALLED</b>	Microsoft Windows Embedded Standard 7E	
	Microsoft Windows Embedded Standard 7P	
<b>LED backlight TFT LCD</b>	10.1" W - 1280x800 10.4" - 800x601 12.1" - 800x600 12.1" - 1024x768 12.1" W - 1280x800 15.0" - 1024x768 15.6" - 1366x768 17" - 1280x1024 18.5" - 1366x768 19" - 1280x1024 21.5" - 1920x1080 24" - 1920x1080	
<b>TOUCHSCREEN</b>	Resistive 5 wires	Resistive 5 wires
	GFG (optional)	
<b>FRONT PANEL</b>	Aluminium	True Flat Aluminium
<b>PROTECTION GRADE</b>	IP66 - front panel	
<b>PROCESSOR</b>	Intel® Celeron J1900 2.00GHz, 4 cores / 4 threads, 2MB L2 cache, soldered	
<b>VIDEO CONTROLLER</b>	Intel® HD Graphics integrated in microprocessor, 688MHz Clock 854MHz Turbo, LVDS 8bit/color digital interface	
<b>SYSTEM MEMORY - RAM</b>	2GB (1 x SODIMM DDR3 module)	
<b>MASS STORAGE</b>	16GB / 32GB SSD mSATA SATA II MLC	
<b>LAN</b>	2 x LAN 10/100/1000Mbps (2 x Intel® I210)	
<b>USB</b>	1 x USB 3.0 (Type-A, rear) 2 x USB 2.0 (Type-A, rear) 1 x USB 2.0 (Type-A, front)	
<b>SERIAL</b>	1 x RS232 (DB9M)	
<b>VIDEO OUTPUT</b>	1 x DVI-I (DVI-D + VGA with adapter)	
<b>ADD-ON INTERFACES</b>	1 x RS232/422/485 (DB15M) + 1 x USB 2.0 (Type-A) (optional, max 1) 1 x RS232/422/485 (DB15M) isolated + 1 x USB 2.0 (Type-A)	
<b>FIELDBUS &amp; I/O</b>	MPI, PROFIBUS Slave, CANopen Master/Slave	
<b>POWER SUPPLY UNIT</b>	24VDC isolated	
	UPS (optional)	
<b>OPERATING TEMPERATURE</b>	0° - 50°C	
<b>APPROVALS</b>	CE, cULus LISTED (508)	