

# BM2200 [new]

## Book Mounting Box PC based on Intel® Bay Trail™ platform



The fanless BM2200 is the new ASEM wall book mounting BOX PC, designed for installation in industrial control cabinets. BM2200 is based on the Intel® Bay Trail™ SoC (System on chip) platform, with a Quad Core Celeron J1900 processor 2.0 GHz (2.42 GHz Burst Frequency), cooled by an internal passive sink placed inside the aluminium housing, that enables fanless operation up to 50°C. BM2200 provides one DVI-I (DVI-D + VGA) output, two

Ethernet 10/100/1000 Mbps interfaces and two USB 2.0 ports on the top side, to simplify the cabling of the unit inside the control cabinet. On the front side, BM2200 provides LED signalling to give a better view of operating signals and, behind the front cover, it provides an external access Cfast slot, a system battery slot and one USB 3.0 port. The system provides one SATA II mSATA SSD slot or one connector, for 2,5" SATA II HDD or SSD, and RAM configurable

up to 8 GB with a single DDR3 SODIMM module. BM2200 has a 24 V DC power supply unit with galvanic isolation and an optional integrated UPS (Uninterruptible Power Supply), with an external battery pack (also with wall book mounting), or an optional integrated MicroUPS, based on 4 supercapacitors, that enable the back up of retentive data on the MRAM (Magnetoresistive RAM) memory. BM2200, as an alternative to the DVI-D output, can integrate

the ASEM Remote Video Link, providing remotation of DVI-D and USB 2.0 signals up to 100 m, with an RJ45 connector output (to be used in combination with a standard CAT5 SF-UTP cable). The IPC can also be equipped with add-on cards providing 1 x Ethernet 10/100/1000 Mbps + 1 x RS232/422/485 (DB15 male, optionally isolated), or 2 x RS232 (DB9 male), or 2 x CAN RAW interfaces (DB9 male).



### + Highlights

- Fanless wall book mounting IPC with 0-50 °C operating temperature
- Designed to facilitate cabling and operation in control cabinets
- High performance Intel® Bay Trail™ Celeron J1900 Quad Core processor
- Built-in UPS with external battery pack (optional)
- Built-in MicroUPS with supercapacitors to save retentive data in control applications (optional)
- Built-in ASEM Remote Video Link, providing remotation of DVI-D and USB 2.0 signals up to 100 m with an RJ45 connector output (optional)
- CE and cULus LISTED 508 certifications

## Gallery



## Technical data

		BM2200
PROCESSOR		Intel® Celeron J1900 2.00GHz, 4 cores / 4 threads, 2MB L2 cache, soldered
VIDEO CONTROLLER		Intel® HD Graphics integrated in microprocessor, 688MHz Clock 854MHz Turbo, LVDS 8bit/color digital interface
SYSTEM MEMORY - RAM		1GB or 2GB or 4GB or 8GB (1 x SODIMM DDR3 module)
TPM		TPM module (optional)
MASS STORAGE		1 bootable CFast embedded on board with external access (front) 1 x SSD mSATA SATA II or 1 x SSD or 1 x HDD 2,5" SATA II
LAN		2 x LAN 10/100/1000Mbps (2 x Intel® I210)
USB		1 x USB 3.0 (Type-A, front) 2 x USB 2.0 (Type-A, top)
BATTERY		1 x CR2032 Removable (front)
VIDEO OUTPUT		1 x DVI-I (DVI-D + VGA with adapter, top)
ADD-ON INTERFACES		1 x RS232/422/485 (DB15M) + 2 x RS232 (DB9M) 1 x RS232/422/485 (DB15M) isolated + 2 x RS232 (DB9M) 1 x RS232/422/485 (DB15M) + 1 x LAN 10/100/1000Mbps (Intel® I210) 1 x RS232/422/485 (DB15M) isolated + 1 x LAN 10/100/1000Mbps (Intel® I210)
REMOTATION		Transmission module integrated for Video signals and USB transmission up to 100mt (optional)
POWER SUPPLY UNIT		24VDC isolated 24VDC isolated with uUPS (optional) with supercapacitors 24VDC isolated with UPS (optional) with external battery pack
CASE	Installation	For book mounting
	Material	Alluminium alloy 6082/5754/5056
O.S. CERTIFIED		Microsoft Windows 7 Pro/Ultimate 32/64bit, Microsoft Windows Embedded Standard 7E/7P 32/64 bit, Microsoft Windows 8.1 Industry Pro
OPERATING TEMPERATURE		0° - 50°C 0° - 45°C with HDD 24x7 5° - 45°C with standard HDD
APPROVALS		CE, cULus LISTED (508) pending