

BM2200

Intel® Bay Trail™ based fanless book mounting IPCs



The Book Mounting fanless IPCs of the BM2200 family are based on the Celeron J1900 2.0GHz quad core 64 bit processor of the Intel® Bay Trail™ System On Chip (SoC) platform. BM2200 systems are supplied with a sturdy aluminium chassis, highly refined in every aesthetic and ergonomic detail. The "all in one" motherboard provides, on top, two

Ethernet 10/100/1000Mbps ports that support "Jumbo Frame" and "Wake on Lan" functionalities, two USB 2.0 ports, a DVI-I (DVI-D + VGA) video output or, as an alternative, a Remote Video Link connector (RJ45) for the remotation of the video and USB signals up to 100 m; on front, a USB 3.0 port, a slot for a SATA II CFast, a slot for the extractable system battery and the signalling LEDs. The

motherboard provides also an mSATA connector for a SATA II SSD, a SATA II connector for a 2.5" SSD/HDD, the possibility to install up to 8 GB RAM with one DDR3 SODIMM module and an internal connector for the installation of additional interfaces. BM2200 systems have an isolated 24 VDC power supply input and optionally an integrated UPS with external battery pack.



+ Highlights

- UBIQUITY remote assistance software providing remote access to the system
- Highly refined aluminium chassis
- Support to 32 or 64 bit operating systems
- "All in one" motherboard
- High performance Intel® Bay Trail™ SoC platform
- Fanless book mounting IPC with 0°C÷50°C operating temperature
- Isolated 24 VDC power supply input
- Integrated UPS with external battery pack (optional)
- RVL version (Remote Video Link) with remotation of DVI and USB 2.0 signals up to 100m
- CE, cULus LISTED (61010) certifications

Gallery



Technical data

	BM2200	BM2200 RVL
PROCESSOR (soldered)	Intel® Celeron J1900 2.00Ghz (2.42Ghz Burst) a 64 bit, 4 cores / 4 threads, 2MB L2 cache	
VIDEO CONTROLLER	Intel® HD Graphics integrated in microprocessor, 688MHz Clock 854MHz Turbo, LVDS 8bit/colour digital interface	
SYSTEM MEMORY - RAM	1GB or 2GB or 4GB or 8GB (1 x SODIMM DDR3 module)	
TPM	TPM module (optional)	
MASS STORAGE	1 x bootable CFast SATA II slot onboard with front external access (front) 1 x onboard connector for direct insertion of mSATA SSD SATA II or 1 x onboard connector for 2,5" SSD/HDD SATA II with internal installation kit	
LAN	2 x LAN 10/100/1000Mbps (RJ45 - 2 x Intel® I210)	
USB	1 x USB 3.0, front (Type-A) 2 x USB 3.0, top (Type-A)	
BATTERY	1 x CR2032 Removable from the front	
VIDEO OUTPUT	1 x DVI-I top (DVI-D + VGA with adapter)	1 x RJ45 connector for the DVI-D and USB 2.0 signals remotation up to 100mt
ADD-ON INTERFACES (max 1)	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 (RJ45 - Intel® I210)	
	1 x RS232/422/485 (DB15M) isolated + 1 x LAN 10/100/1000Mbps (RJ45 - Intel® I210)	
POWER SUPPLY INPUT	24VDC (18÷32VDC) isolated	
POWER SUPPLY OPTIONS	UPS with external battery pack	
CASE	Installation	Wall book mounting
	Material	Aluminium alloy 6082/5754/5056
O.S. CERTIFIED	Microsoft Windows 7 Pro/Ultimate 32/64 bit Microsoft Windows Embedded Standard 7E/7P 32/64 bit Microsoft Windows 8.1 Industry Pro 32/64 bit Microsoft Windows 10 IoT Enterprise 2016/2019 64 bit	
OPERATING TEMPERATURE	0°C÷50°C	
	0°C÷45°C with HDD 24x7	
APPROVALS	CE, cULus LISTED (61010)	