

# BM2150

## Entry level Intel® Bay Trail™ based fanless book mounting IPCs



The Book Mounting fanless IPC BM2150 is an entry-level solution that offers an excellent performance/price ratio. It is based on the Celeron J1900 2GHz quad core 64 bit processor of the Intel® Bay Trail™ System On Chip (SoC) platform.

The "all in one" motherboard provides, on top, two Ethernet 10/100/1000Mbps ports, that support "Jumbo Frame" and "Wake on Lan" functionalities, one USB 3.0 port, one USB 2.0 port, a DVI-D video output and on front a SATA II CFast slot. The motherboard has also an mSATA connector for

SATA II SSD, up to 8 GB RAM with one DDR3 SODIMM module and an internal connector for additional interfaces. BM2150 system has 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
- 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
- Optional DIN rail mounting
- Isolated 24 VDC power supply input
- Integrated UPS with external battery pack (optional)
- Onboard connector for NETcore X fieldbus boards
- CE, cULus LISTED (61010) certifications

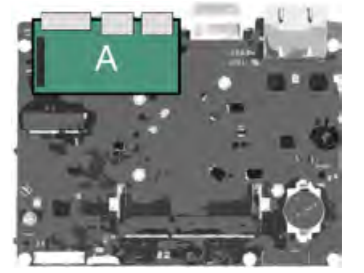
## Gallery



## Add-On boards

### Position A

- 1 x RS232/422/485 + 1 x USB 2.0
- 1 x RS232/422/485 isol. + 1 x USB 2.0
- 2 x RS232
- 1 x USB 2.0
- 1 x NETcore X fieldbus board
- Wireless/Bluetooth/Modem



## Technical data

		BM2150
PROCESSOR		Intel® Celeron J1900 2.00Ghz (2.42GHz Burst) a 64 bit, 4 cores / 4 threads, 2MB L2 cache, soldered
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)
MASS STORAGE		1 bootable CFast SATA II slot onboard with front external access 1 x onboard connector for direct insertion of mSATA SSD SATA II
LAN		2 x LAN 10/100/1000Mbps top (RJ45 - 2 x Intel® I210)
USB		1 x USB 3.0 top (Type-A) 1 x USB 2.0 top (Type-A)
BATTERY		1 x CR2032 internal access
VIDEO OUTPUT		1 x DVI-D, top
ADD-ON INTERFACES (max 1)		1 x RS232/422/485 (DB15M) + 1 x USB 2.0 (Type-A)
		1 x RS232/422/485 (DB15M) isolated + 1 x USB 2.0 (Type-A)
		2 x RS232 (DB9M)
		1 x USB 2.0 (Type-A)
		1 x NETcore X fieldbus boards for EtherCAT, EtherNet IP, PROFINET, PROFIBUS, CANopen protocols
		1 x Wireless/Bluetooth/Modem adapter
POWER SUPPLY INPUT		24VDC (18÷32VDC) isolated
POWER SUPPLY OPTIONS		UPS with external battery pack
		Kit for ATX mode power supply
CASE	Installation	For wall or DIN rail book mounting (optional)
	Material	Aluminium alloy 6082/5754/5056, Plastic front door
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 32/64bit
		Microsoft Windows 10 IoT Enterprise 2016/2019 64bit
OPERATING TEMPERATURE		0°C÷50°C
APPROVALS		CE, cULus LISTED (61010)