# BM100 [new]

## Intel® Apollo Lake™ based fanless book mounting IPCs



The Book Mounting BM100 is based on the Intel® Atom™ x5-3930 1.3GHz (1.80GHz Burst) or x7-3950 1.6GHz (2.00GHz Burst) processors of the Intel® Apollo Lake™ System On Chip (SoC) platform.

The motherboard provides two 10/100/1000Mbps ports, two USB 3.0 ports and a Display Port V1.2 video output with external access, a SATA III interface with M.2 key B connector for M.2 size 2242 SSD and 2GB, 4GB or 8GB

soldered LP-DDR4 RAM. BM100 has an isolated 24 VDC power supply input and allows several wall mounting or DIN rail installation modes.

## Gallery



## Technical data

| | BM100 |
|---|---|
| **PROCESSOR (soldered)** | Intel® Atom™ x5-E3930 1.3GHz (1.8GHz Burst), 2 cores / 2 threads, 2MB L2 cache, 14nm |
| | Intel® Atom™ x7-E3950 1.6GHz (2.0GHz Burst), 4 cores / 4 threads, 2MB L2 cache, 14nm |
| **VIDEO CONTROLLER** | Intel® HD Graphics 500 integrated in x5-E3930, 400/550MHz |
| | Intel® HD Graphics 505 integrated in x7-E3950, 500/650MHz |
| **SYSTEM MEMORY - RAM** | 2GB or 4GB or 8GB (1 x LP-DDR4 soldered) |
| **MASS STORAGE** | 1 x onboard connector for direct insertion of M.2 size 2242 key B SSD SATA III |
| **LAN** | 2 x LAN 10/100/1000Mbps (RJ45 - 2 x Intel® I210) |
| **USB** | 2 x USB 3.0 (Type-A) |
| **VIDEO OUTPUT** | 1 x Display Port V1.2 |
| **POWER SUPPLY INPUT** | 24VDC (18 ÷ 32VDC) isolated |
| **CASE** Installation | For book, wall or DIN rail mounting |
| Material | Aluminium Alloy |
| Dimensions | 100x100x39mm |
| **O.S. CERTIFIED** | Microsoft Windows 10 IoT Enterprise 2016/2019 64 bit |
| **OPERATING TEMPERATURE** | 0°÷55°C (Atom™ x5-E3930) |
| | 0°÷50°C (Atom™ x7-E3950) |
| **APPROVALS** | CE, cULus LISTED (61010) |

## ⊕ Highlights

→ UBIQUITY remote assistance software providing remote access to the system

→ Compact design (100x100x39mm)

→ "All in one" motherboard

→ Intel® Apollo Lake™ SoC platform

→ Fanless book mounting IPC with up to 0°C÷55°C operating temperature

→ 24 VDC isolated power supply input

→ CE, cULus LISTED (61010) certifications