

MBox-ADV-AA

x86 Family



HIGHLIGHTS

- ▶ Intel Atom® Quad-Core CPU
- ▶ 4 GB RAM + 32 GB eMMC
- ▶ 4x Gbit Ethernet (Intel® i210 with TSN support)
- ▶ 2x USB 3.0, 1x RS-232 e.g. for Linux console
- ▶ Extended security with AES-NI-Support and CPU internal fTPM
- ▶ DisplayPort and USB 2.0 on the back for seamless HMI connection
- ▶ Robust, ultra compact design
- ▶ Quality Made-in-Germany

Industrial Firewall and BoxPC platform based on Intel Atom® E3900 processor series.

TECHNICAL SPECIFICATION

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|-----------------------------------|--|
| CPU | Intel Atom® E3900 series („Apollo Lake-I“) E3950: 4x 1.6/2.0 GHz, 2 MB L2-Cache |
| Memory | 4 GB DDR3L 32 GB eMMC |
| Graphics interfaces | DisplayPort (DP++) with 4K UHD (on back side) |
| Interfaces | 4x Gbit Ethernet (Intel® i210), (directly connected to CPU, not switched) 2x USB 3.0 (with USB 2.0 backward compatibility) 1x RS-232 (legacy 16550 compatible) e.g. for console 1x USB 2.0 (on back side) |
| Internal extension sockets | 1x M.2 2242/2280 (key B+M) socket (SATA+USB) to extend with SATA SSD |
| Security components | CPU internal fTPM with TPM 2.0 functionality |
| Power supply | Voltage: 9 V – 30 V Connector type (lockable): Phoenix MC1,5/2-G-3,5-LR Power: typ. 3 – 10 W/max. 15 W Battery: CR2032 (replaceable) |

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|-------------------------------------|--|
| Environment | Passive cooled (no fan) Operating temperature: -20°C...+60°C Relative Humidity: 10 % – 90 % (not condensing) IP20 |
| Form factor/ dimensions | 170 mm x 103 mm x 42 mm |
| Mounting options | Desktop, VESA75, DIN rail (with adapter kit) |
| Operating systems on request | Windows 10 (Standard and Embedded/IoT) Linux (e.g. Ubuntu) Others on request |

Power supply and accessories optional available.

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