

# MB1-10AP

**Fanless embedded system with Intel® Apollo Lake N3350 / N4200 processor (up to 2.5 GHz)**

## >> Product features

### • Equipped with an efficient Apollo Lake processor

The MB1-10AP is the next-generation embedded system with an Intel® Apollo Lake N3350 / N4200 processor. The all-new SOC structure incorporates high efficiency performance and low power consumption to be deployed as edge AI device or IoT gateway.

### • It has the flexibility to adapt to any workspace and environment.

With abundant I / O ports (Ethernet RJ45 x 3, mPCIe x 2, expansion socket x 1), it can be used with various peripheral devices with USB 3.0 x 4, HDMI x 1, RS232 / 422/485 x 2, 3PIN terminal block power input. Moreover, it also supports high density hard drives with 2.5 inch HDD bracket design. Two mPCIe (one shared with mSATA) slots support SIM slots and wireless interfaces that allow easy 4G connectivity and Wi-Fi and Bluetooth networks. HDMI and one additional extended display module can extend the visual experience with dual display support.

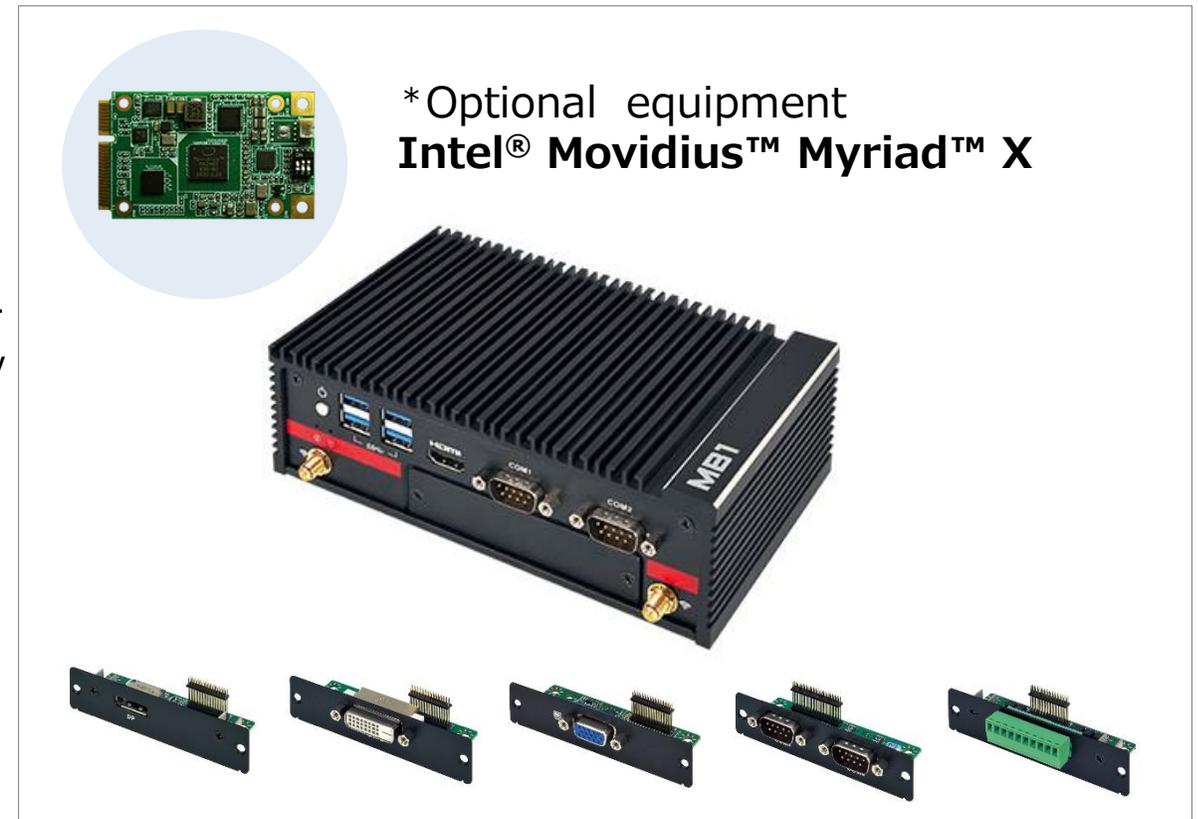
### • Intel® Movidius™ Myriad™ X for Edge AI

MB1-10AP with optional Edge AI Accelerator modules powered by Intel® Movidius™ Myriad™ X creates the possibility to be implemented in more Edge AI solutions.

### • Compact and rugged design to adapt to any workspace and harsh environment.

The MB1-10AP's 1.5-liter fanless and rugged chassis design and expandable modular design give you the flexibility to adapt to any workspace and harsh environment.

## >> Conceptual diagram



# MB1-10AP

<b>Product Overview Headline</b>	Fanless embedded system with Intel® Apollo Lake N4200 processor (up to 2.5 GHz)	
<b>H/W spec</b>	<b>CPU</b>	Intel® N4200 * Can be changed
	<b>MEMORY</b>	4GB SO-DIMM DDR3L Up to 8GB * Can be changed
	<b>STORAGE SLOT</b>	512GB SSD ※Can be changed
	<b>EXPANSION SLOT</b>	LTE/Wireless: Full/Half size mPCIe w/ SIM Card Holder x1 Storage/Expansion: Full size mPCIe/mSATA x1
	<b>FRONT I/O</b>	COM×2、USB3.0×4、LAN×3、HDMI× 1 etc.
	<b>Power</b>	72W
	<b>Dimensions(mm)</b>	W170×D105×H57
	<b>OS</b>	Windows® 10 Pro ※Support Linux Ubuntu 20.04
<b>Product URL</b>	<a href="https://www.mitacmct.com/EmbeddedSystem~MB1-10AP~MB1-10AP~documents~EN">https://www.mitacmct.com/EmbeddedSystem~MB1-10AP~MB1-10AP~documents~EN</a>	
<b>Contact information</b>	MiTAC Japan Corp. TEL: 03-3769-8311 Email: <a href="mailto:MITAC_NEWS@mitac.co.jp">MITAC_NEWS@mitac.co.jp</a> Inquiries fwebsite: <a href="https://www.mitac.co.jp/ja">https://www.mitac.co.jp/ja</a> Business hours: 9:00 to 17:30 * Excluding Sundays, holidays, and year-end and New Year holidays	