

AIT-M02

Technisches Datenblatt

Dieser vielseitige Industrial Mini PC von Artessa IT bietet bis zu 6 LAN-Ports (2x 2.5GbE + 4x GbE) und umfangreiche serielle Schnittstellen mit 6x RS-232/485/422 für anspruchsvolle Netzwerk- und Automatisierungsanwendungen. Mit Intel Alder Lake-N oder Twin Lake Prozessoren (bis zu 8 Kerne), DDR5-Speicher, optionalen 5G/LTE-Modulen und CAN-Bus-Unterstützung eignet sich das System ideal für industrielle Gateway-, Firewall- und Edge-Computing-Lösungen im erweiterten Temperaturbereich von -20°C bis +55°C.

SYSTEM

CPU Generation	12th Gen Alder Lake-N
Kerne / Threads	8C / 8T
Basistakt	1.8 GHz
Turbo-Takt	3.8 GHz
TDP	15 W
RAM Typ	DDR5
RAM Max.	16 GB
RAM Slots	1
RAM Frequenz	4800 MHz
BIOS	UEFI

Prozessor Optionen

- Intel N200 (Alder Lake-N)
 - 4C/4T
 - 1.0-3.7 GHz
 - 6W)
- Intel Core i3-N300 (Alder Lake-N)
 - 8C/8T
 - 0.8-3.8 GHz
 - 7W)
- Intel Core i3-N305 (Alder Lake-N)
 - 8C/8T
 - 1.8-3.8 GHz
 - 15W)
- Intel N250 (Twin Lake

- 4C/4T
- 1.2-3.8 GHz
- 6W)
- Intel Core i3-N350 (Twin Lake
- 8C
- 13th Gen)

ANSCHLÜSSE

LAN Ports	6
LAN Speed	2.5GbE
USB	USB 3.0 x6
COM-Ports	6x RS-232/422/485
Display-Ausgänge	DisplayPort 1.4a x1, HDMI 2.0b x1, HDMI-E x1
WLAN	802.11ax (Wi-Fi 6)
Bluetooth	v5.x

MECHANIK

Abmessungen	215 x 152 x 64.5 mm
Montage	VESA 70x70mm, VESA 100x100mm, Desktop
Material	Aluminum
Stromversorgung	12-36V DC (Phoenix connector) / 100-240V AC

UMGEBUNG

Betriebstemperatur	-20°C bis +55°C
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ZERTIFIZIERUNGEN & BETRIEBSSYSTEME

OS Support	Windows 11, Windows 10, Linux
TPM	TPM 2.0 (Infineon chip)

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Technical Data Sheet

This versatile Industrial Mini PC from Artessa IT offers up to 6 LAN ports (2x 2.5GbE + 4x GbE) and extensive serial interfaces with 6x RS-232/485/422 for demanding network and automation applications. Featuring Intel Alder Lake-N or Twin Lake processors (up to 8 cores), DDR5 memory, optional 5G/LTE modules, and CAN bus support, the system is ideal for industrial gateway, firewall, and edge computing solutions in an extended operating temperature range of -20°C to +55°C.

SYSTEM

CPU Generation	12th Gen Alder Lake-N
Cores / Threads	8C / 8T
Base Clock	1.8 GHz
Turbo Clock	3.8 GHz
TDP	15 W
RAM Type	DDR5
RAM Max.	16 GB
RAM Slots	1
RAM Frequency	4800 MHz
BIOS	UEFI

Processor Options

- Intel N200 (Alder Lake-N)
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 - 4C/4T

- 1.2-3.8 GHz
- 6W)
- Intel Core i3-N350 (Twin Lake
- 8C
- 13th Gen)

CONNECTIONS

LAN Ports	6
LAN Speed	2.5GbE
USB	USB 3.0 x6
COM Ports	6x RS-232/422/485
Display Outputs	DisplayPort 1.4a x1, HDMI 2.0b x1, HDMI-E x1
Wi-Fi	802.11ax (Wi-Fi 6)
Bluetooth	v5.x

MECHANICS

Dimensions	215 x 152 x 64.5 mm
Mounting	VESA 70x70mm, VESA 100x100mm, Desktop
Material	Aluminum
Power Input	12-36V DC (Phoenix connector) / 100-240V AC

ENVIRONMENT

Operating Temperature	-20°C to +55°C
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CERTIFICATIONS & OS SUPPORT

OS Support	Windows 11, Windows 10, Linux
TPM	TPM 2.0 (Infineon chip)

