

AIT-R03

Technisches Datenblatt

Dieser lüfterlose 1U Rack-PC von Artessa IT bietet flexible Prozessoroptionen von Intel Tiger Lake und Alder Lake (bis i7-1265U), passiv gekühlt für zuverlässigen 24/7-Betrieb in industriellen Umgebungen von -10° bis +60°C. Das 19-Zoll-System vereint vielseitige Konnektivität mit 4 seriellen Schnittstellen, dualen Gigabit-LAN-Ports, 6 USB-Anschlüssen und zwei Display-Ausgängen in kompakter 1HE-Bauform. Mit bis zu 64 GB DDR4-RAM, M.2-Speichererweiterung und Aluminium-Gehäuse eignet es sich ideal für Industrie-4.0-Anwendungen, Automatisierung und Server-Infrastrukturen.

SYSTEM

Prozessor	Intel Core i7-1265U 12th Gen Alder Lake
CPU Kerne / Threads	10C / 12T
Basistakt	3.6 GHz
Turbo-Takt	4.8 GHz
TDP	28 W
Chipsatz	SoC (System on a Chip)
RAM Typ	DDR4
RAM Max.	64 GB
RAM Slots	2
Speicher-Slots	M.2 2280 NVMe/SATA III x1, 2.5" SATA x1

ANSCHLÜSSE

LAN Ports	2
LAN Speed	GbE
USB	USB 2.0 x2, USB 3.2 Gen1 x4
COM-Ports	4x RS-232/422/485
Display-Ausgänge	VGA x1, HDMI x1
Audio	Line Out, Mic-In

MECHANIK

Abmessungen	482 x 300 x 44 mm
Gewicht	4.8 kg
Montage	Rackmount
Material	Aluminum
Farbe	Black / silver

Stromversorgung	AC 110-240V / DC 12V
Lüfterlos	Ja

UMGEBUNG

Betriebstemperatur	-10°C bis +60°C
Luftfeuchtigkeit	10 to 90%, non-condensing

ZERTIFIZIERUNGEN & BETRIEBSSYSTEME

Zertifikate	CE, FCC Class A, RoHS
OS Support	Windows 10 (64-bit), Windows 11, Linux Ubuntu 24.04

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Technical Data Sheet

This fanless 1U rack PC from Artessa IT offers flexible Intel Tiger Lake and Alder Lake processor options (up to i7-1265U), passively cooled for reliable 24/7 operation in industrial environments from -10° to +60°C. The 19-inch system combines versatile connectivity with 4 serial interfaces, dual Gigabit LAN ports, 6 USB ports, and dual display outputs in a compact 1U form factor. With up to 64 GB DDR4 RAM, M.2 storage expansion, and aluminum housing, it is ideally suited for Industry 4.0 applications, automation, and server infrastructure.

SYSTEM

Processor	Intel Core i7-1265U 12th Gen Alder Lake
CPU Cores / Threads	10C / 12T
Base Clock	3.6 GHz
Turbo Clock	4.8 GHz
TDP	28 W
Chipset	SoC (System on a Chip)
RAM Type	DDR4
RAM Max.	64 GB
RAM Slots	2
Storage Slots	M.2 2280 NVMe/SATA III x1, 2.5" SATA x1

CONNECTIONS

LAN Ports	2
LAN Speed	GbE
USB	USB 2.0 x2, USB 3.2 Gen1 x4
COM Ports	4x RS-232/422/485
Display Outputs	VGA x1, HDMI x1
Audio	Line Out, Mic-In

MECHANICS

Dimensions	482 x 300 x 44 mm
Weight	4.8 kg
Mounting	Rackmount
Material	Aluminum
Color	Black / silver

Power Input	AC 110-240V / DC 12V
Fanless	Yes

ENVIRONMENT

Operating Temperature	-10°C to +60°C
Humidity	10 to 90%, non-condensing

CERTIFICATIONS & OS SUPPORT

Certifications	CE, FCC Class A, RoHS
OS Support	Windows 10 (64-bit), Windows 11, Linux Ubuntu 24.04

