

## AIT-R06

### Technisches Datenblatt

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Dieser passiv gekühlte 19-Zoll Rack-PC von Artessa IT im 1HE-Format vereint Intel Core Prozessoren der 11. und 12. Generation mit lüfterlosem Design für zuverlässigen 24/7-Betrieb. Ausgestattet mit bis zu 64 GB DDR4-RAM, 4 seriellen Schnittstellen, Dual-Gigabit-LAN und umfangreichen USB-Ports eignet sich das System ideal für industrielle Automatisierung, Datenerfassung und Server-Anwendungen im erweiterten Temperaturbereich von -10°C bis +60°C.

#### SYSTEM

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CPU Kerne / Threads	<b>10C / 12T</b>
Basistakt	<b>3.6 GHz</b>
Turbo-Takt	<b>4.8 GHz</b>
TDP	<b>28 W</b>
Chipsatz	<b>SoC (System on a Chip)</b>
RAM Typ	<b>DDR4</b>
RAM Max.	<b>64 GB</b>
RAM Slots	<b>2</b>
Speicher-Slots	<b>M.2 2280 NVMe/SATA x1, 2.5" SATA x1</b>
Prozessor Optionen	<ul style="list-style-type: none"><li>• Intel Core i5-1145G7 (Tiger Lake)</li><li>• 4C/8T</li><li>• 2.6/4.4 GHz</li><li>• 15W)</li><li>• Intel Core i5-1235U (Alder Lake)</li><li>• 10C/12T</li><li>• 2.8/4.7 GHz</li><li>• 15W)</li><li>• Intel Core i7-1165G7 (Tiger Lake)</li><li>• 4C/8T</li><li>• 3.3/4.7 GHz</li><li>• 28W)</li><li>• Intel Core i7-1265U (Alder Lake)</li><li>• 10C/12T</li><li>• 3.6/4.8 GHz</li><li>• 28W)</li></ul>

#### ANSCHLÜSSE

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

## **MECHANIK**

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Abmessungen	<b>482 x 300 x 44 mm</b>
Gewicht	<b>4.8 kg</b>
Montage	<b>Rackmount</b>
Material	<b>Aluminum</b>
Farbe	<b>Black / silver</b>
Stromversorgung	<b>AC 110-240V 50-60Hz / DC 12V</b>
Lüfterlos	<b>Ja</b>

## **UMGEBUNG**

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Betriebstemperatur	<b>-10°C bis +60°C</b>
Luftfeuchtigkeit	<b>10 to 90%, non-condensing</b>

## **ZERTIFIZIERUNGEN & BETRIEBSSYSTEME**

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Zertifikate	<b>CE, FCC Class A, RoHS</b>
OS Support	<b>Windows 10 64-bit, Windows 11, Linux Ubuntu 24.04</b>

## AIT-R06

### Technical Data Sheet

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This fanless 19-inch rack PC from Artessa IT in 1U form factor combines 11th and 12th generation Intel Core processors with passive cooling for reliable 24/7 operation. Equipped with up to 64 GB DDR4 RAM, 4 serial interfaces, dual Gigabit LAN, and extensive USB connectivity, the system is ideal for industrial automation, data acquisition, and server applications across an extended temperature range of -10°C to +60°C.

#### SYSTEM

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CPU Cores / Threads	<b>10C / 12T</b>
Base Clock	<b>3.6 GHz</b>
Turbo Clock	<b>4.8 GHz</b>
TDP	<b>28 W</b>
Chipset	<b>SoC (System on a Chip)</b>
RAM Type	<b>DDR4</b>
RAM Max.	<b>64 GB</b>
RAM Slots	<b>2</b>
Storage Slots	<b>M.2 2280 NVMe/SATA x1, 2.5" SATA x1</b>
Processor Options	<ul style="list-style-type: none"><li>• Intel Core i5-1145G7 (Tiger Lake)</li><li>• 4C/8T</li><li>• 2.6/4.4 GHz</li><li>• 15W)</li><li>• Intel Core i5-1235U (Alder Lake)</li><li>• 10C/12T</li><li>• 2.8/4.7 GHz</li><li>• 15W)</li><li>• Intel Core i7-1165G7 (Tiger Lake)</li><li>• 4C/8T</li><li>• 3.3/4.7 GHz</li><li>• 28W)</li><li>• Intel Core i7-1265U (Alder Lake)</li><li>• 10C/12T</li><li>• 3.6/4.8 GHz</li><li>• 28W)</li></ul>

#### CONNECTIONS

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LAN Ports	<b>2</b>
LAN Speed	<b>GbE</b>

USB	<b>USB 3.2 Gen1 x4, USB 2.0 x2</b>
COM Ports	<b>4x RS-232/422/485</b>
Display Outputs	<b>VGA x1, HDMI x1</b>
Audio	<b>Line Out, Mic-In</b>

## **MECHANICS**

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Dimensions	<b>482 x 300 x 44 mm</b>
Weight	<b>4.8 kg</b>
Mounting	<b>Rackmount</b>
Material	<b>Aluminum</b>
Color	<b>Black / silver</b>
Power Input	<b>AC 110-240V 50-60Hz / DC 12V</b>
Fanless	<b>Yes</b>

## **ENVIRONMENT**

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Operating Temperature	<b>-10°C to +60°C</b>
Humidity	<b>10 to 90%, non-condensing</b>

## **CERTIFICATIONS & OS SUPPORT**

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Certifications	<b>CE, FCC Class A, RoHS</b>
OS Support	<b>Windows 10 64-bit, Windows 11, Linux Ubuntu 24.04</b>







