

Dieses lüfterlose Embedded Industrial Computer-System von Artessa IT basiert auf Intel Alder Lake Prozessoren der 12. Generation (i3/i5/i7) und bietet DDR5-4800 RAM (bis 64 GB), IP67-Schutzklasse sowie M12-Wasserdichtanschlüsse für industrielle Umgebungen. Mit erweitertem Betriebstemperaturbereich von -30°C bis 70°C, M.2-Erweiterungsslots für WiFi/BT, 4G/5G sowie NVMe-SSD eignet es sich ideal für raue Industrieumgebungen, Edge-Computing und IoT-Anwendungen. Unterstützt TPM 2.0, Watchdog-Timer und Wide-Range DC-Eingang (9-36V).

Highlights

- Prozessor: Intel Core i3-1215U (Alder Lake, 6C/8T, 1.2 GHz, 15W)
- DDR5 – erweiterbar bis 64 GB
- Speicher: 120 GB SSD, 250 GB SSD
- 2× GbE LAN
- 1× RS-232/422/485
- WLAN / Bluetooth / 4G optional
- TPM 2.0 Verschlüsselung

Spezifikationen

System	
CPU-Generation	12th Gen Alder Lake
Kerne / Threads	10C / 12T
Basistakt	1.7 GHz
Turbotakt	4.7 GHz
TDP	15 W
Chipsatz	Integrated with Intel SoC
RAM-Typ	DDR5
RAM max.	64 GB
RAM-Slots	2
RAM-Frequenz	4800 MHz
Prozessor-Optionen	• Intel Core i3-1215U (Alder Lake, 6C/8T, 1.2 GHz, 15W) • Intel Core i5-1235U (Alder Lake, 10C/12T, 1.3 GHz, 15W) • Intel Core i7-1255U (Alder Lake, 10C/12T, 1.7 GHz, 15W)
Speicher-Optionen	• 120 GB SSD • 250 GB SSD • 500 GB SSD • 2 TB SSD
Anschlüsse & I/O	
LAN-Ports	2
LAN-Geschwindigkeit	GbE
USB	USB 2.0 x2
COM-Ports	1× RS-232/422/485
Display-Ausgänge	HDMI x1
WLAN / Wi-Fi	802.11ax (Wi-Fi 6)
Bluetooth	v5.0
Audio	Realtek ALC897

Stromversorgung	
Eingangsspannung	9-36V DC
Mechanik	
Abmessungen	220 x 250 x 55 mm
Gewicht	2.5 kg
Montage	Wall Mount, DIN Rail
Material	Aluminum Alloy Shell
Farbe	Grey
Lüfterlos	Ja
Schutzklasse	IP67
Umgebung	
Betriebstemperatur	-30°C bis +70°C
Luftfeuchtigkeit	10% to 95% (non-condensing)
Vibrationsfestigkeit	1.5 Grms, IEC 60068-2-64, random, 5-500 Hz, 1 hr/axis
Zertifizierungen & Software	
Zertifizierungen	CE, FCC Class A, ROHS
OS-Unterstützung	Windows 10, Windows 11, Linux, Ubuntu
TPM	TPM 2.0

Intel Core i7-1255U

This fanless embedded industrial computer system from Artessa IT is powered by 12th Gen Intel Alder Lake processors (i3/i5/i7) and features DDR5-4800 RAM (up to 64 GB), IP67 protection rating, and M12 waterproof connectors for harsh industrial environments. With an extended operating temperature range of -30°C to 70°C, M.2 expansion slots for WiFi/BT, 4G/5G, and NVMe SSD, it is ideal for rugged industrial applications, edge computing, and IoT deployments. Supports TPM 2.0, watchdog timer, and wide-range DC input (9-36V).

Highlights

- Processor: Intel Core i3-1215U (Alder Lake, 6C/8T, 1.2 GHz, 15W)
- DDR5 – expandable up to 64 GB
- Storage: 120 GB SSD, 250 GB SSD
- 2× GbE LAN
- 1× RS-232/422/485
- Wi-Fi / Bluetooth / 4G optional
- TPM 2.0 encryption

Specifications

System	
CPU Generation	12th Gen Alder Lake
Cores / Threads	10C / 12T
Base Clock	1.7 GHz
Turbo Clock	4.7 GHz
TDP	15 W
Chipset	Integrated with Intel SoC
RAM Type	DDR5
RAM Max.	64 GB
RAM Slots	2
RAM Frequency	4800 MHz
Processor Options	• Intel Core i3-1215U (Alder Lake, 6C/8T, 1.2 GHz, 15W) • Intel Core i5-1235U (Alder Lake, 10C/12T, 1.3 GHz, 15W) • Intel Core i7-1255U (Alder Lake, 10C/12T, 1.7 GHz, 15W)
Storage Options	• 120 GB SSD • 250 GB SSD • 500 GB SSD • 2 TB SSD
I/O & Connectivity	
LAN Ports	2
LAN Speed	GbE
USB	USB 2.0 x2
COM Ports	1× RS-232/422/485
Display Outputs	HDMI x1
WLAN / Wi-Fi	802.11ax (Wi-Fi 6)
Bluetooth	v5.0
Audio	Realtek ALC897

Power	
Power Input	9-36V DC
Mechanical	
Dimensions	220 x 250 x 55 mm
Weight	2.5 kg
Mounting	Wall Mount, DIN Rail
Material	Aluminum Alloy Shell
Color	Grey
Fanless	Yes
IP Rating	IP67
Environment	
Operating Temperature	-30°C to +70°C
Humidity	10% to 95% (non-condensing)
Vibration Resistance	1.5 Grms, IEC 60068-2-64, random, 5-500 Hz, 1 hr/axis
Certifications & Software	
Certifications	CE, FCC Class A, ROHS
OS Support	Windows 10, Windows 11, Linux, Ubuntu
TPM	TPM 2.0