

KD-UCR-M77W2-1.0

Compact fanless IPC



KD-UCR-M77W2-1.0 front view

PRODUCT DESCRIPTION

The KD-UCR-M77W2 is a compact fanless Industrial PC based on the Advantech MIC-770 V2. With the W480E chipset it supports 10th Gen. Intel Core CPUs and a wide range of interfaces. The system is designed for 24/7 operation in industrial applications, offers a wide operating temperature range and a lifecycle until 2030. The IPC is equipped with four LAN interfaces based on Intel ethernet controllers and two serial interfaces. Furthermore there are expansion options for mPCIe cards, multiple USB-Ports and a 9-36 V DC power input at the front of the system.

FEATURES

Processor

- Intel® Core™ i7-10700TE Processor (16 MB Cache, up to 4.50 GHz, 8 Cores / 16 Threads, 35W TDP)

Memory

- 16 GB DDR4 SO-DIMM

Storage

- Internal 2,5" SATA SSD 256 GB

Internal Interfaces

- 1 x USB 2.0 stick socket
- 1 x mPCIe / mSATA

Environment

- Ambient operating temperature: -10 °C ... 50 °C (with 0.7 m/s air flow)
- Non-operating temperature range: -40 °C ... 85 °C
- Humidity: 95 % @ 40°C (non-condensing)

External Interfaces

- 2 x Gigabit-Ethernet, RJ45, Intel i219LM & i210IT
- 2 x Gigabit-Ethernet, RJ45, Intel i350-AM2
- 6 x USB 3.2 Gen1 (5 GBit/s)
- 2 x USB 3.2 Gen2 (10 GBit/s)
- 1 x HDMI (up to 4096 x 2160 @ 30Hz)
- 1 x VGA (up to 1920 x 1200)
- 2 x DB9 RS232 / 422 / 485
- Audio (Mic. in, Line out)

Power Supply

- Input 9 - 36 V_{DC}
- 150 W power adaptor included (100 - 240 V_{AC} to 19 V_{DC} 4-pin phoenix)
- Power consumption: Typical 35.5 W, Maximum 112 W

- Vibration: 3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis
- Shock: 20G, IEC-68-2-27, half-sine wave, 11 ms duration
- Dimensions (W x H x D): 77 x 192 x 230 mm