

# KD-UCR-51015W-1.0

## 15,6" Industrial Panel PC System



KD-UCR-51015W-1.0 front and back view

### PRODUCT DESCRIPTION

The KD-UCR-51015W is a 15.6" industrial Panel-PC based on the Advantech TPC-B510 computing box module combined with the FPM-D15W display module. It is powered by a 8th Gen. Intel Core CPU and delivers high performance with a fanless and compact design. The system is designed for 24/7 operation in industrial applications and offers a wide operating temperature range. The display module is equipped with an industrial grade LCD and a projected capacitive touch screen with a robust IP66 rated front panel.

### FEATURES

#### Processor

- Intel® Core™ i3-8145UE Processor (4 MB Cache, up to 3.90 GHz, 2 Cores / 4 Threads, 15W TDP)
- Intel® UHD Graphics 620

#### Memory

- 8 GB DDR4 SO-DIMM

#### Storage

- Internal 2,5" SATA SSD 256 GB

#### Internal Interfaces

- 1 x mPCIe
- 1 x M.2 M key 2280 (SATA or NVMe PCIe x4)
- 1 x M.2 B key 2242 (SATA / PCIe x2)

#### Display

- 15.6" TFT LCD
- LED backlight technology
- Aspect ratio 16:9

- Viewing Angle: Up to 170°
- Resolution: 1920 x 1080
- Luminance: Up to 450 cd/m<sup>2</sup>
- Contrast Ratio: Up to 800:1
- MTBF of back light: 50.000 h

#### Touchscreen

- Capacitive touchscreen (PCAP) with multi touch

#### External Interfaces

- 2 x Gigabit-Ethernet RJ45
- 1 x USB 2.0
- 4 x USB 3.2 Gen2 (10 GBit/s)
- 1 x Displayport
- 2 x DB9 RS232 / 422 / 485

#### Power Supply

- Input 24 V<sub>DC</sub> ± 20%
- Power consumption: Typical 47 W, Maximum 83 W

## Environment

- Ambient operating temperature: -10 °C ... 55 °C (w/o air flow)
- Non-operating temperature range: -20 °C ... 70 °C
- Humidity: 10 ~ 95 % @ 40°C (non-condensing)
- Vibration: 1 Grms @ 5 ~ 500 Hz, random
- Ingress Protection: IP66-rated front panel
- Dimensions (W x H x D): 419,7 x 269 x 69.5 mm