



- Powerful 12,1" Industrial Panel PC
- Robust touchscreen and brilliant display
- All-round IP65 protected housing
- Future-proof technology
- Voltage input 6 to 60 Volt DC



## FEATURES

- Powerful 12.1 inch industrial panel PC for production, warehousing and logistics
- Scratch- and impact-resistant gesture compatible touchscreen
- Can be operated with gloves
- Bright, anti-reflective display for outdoor use
- Protective tempered glass foil included as standard
- Housing protected on all sides against splash and rain water, cleaning products or liquids
- Mechanically robust for rough everyday use in industrial environments
- Compact design only 5,5 cm deep
- High Performance Intel® Core i5™ -7200U Kaby Lake CPU @ 2.50GHz
- 8 GB DDR4 RAM (max. 32 GB possible)
- Super fast 128 GB SSD memory
- 4 x SuperSpeed™ USB 3.0 ports, 2 x USB 2.0
- Industry leading 2x2 MU-MIMO 802.11ac Dual-Band WLAN
- Seamless roaming of different radio cells thanks to 802.11r
- Ready for the latest applications thanks to Bluetooth® 5
- Particularly wide input voltage range 6 - 60 V for various vehicle systems
- Mounting via VESA 75 & VESA 100 standards or bracket mount

## CONNECTORS

USB	2 x USB 2.0, 4 x USB 3.0
Ethernet	1 x Intel i219LM PHY Gigabit LAN (iAMT 11.0) 1 x Intel i211AT PCI-E Gigabit LAN
RS 232	1 x RS232/422/485
Other	HDMI Output

## DISPLAY

Touchscreen	scratch- and impact-resistant resistive 5-wire touchscreen with antireflective hybrid glass surface Scratch resistance: > 7H, Impact strength: > IK07 gesture projected capacitive touch screen (PCAP) with 10 TP Scratch resistance: > 7H, Impact strength: > IK07
Display	LED backlit color TFT 12.1 with 1024x768 XGA resolution, 16.2 million colors
Contrast	1000:1
Brightness	600 cd/m2 Standard / 1200 cd/m2 Optional

## SYSTEM DATA

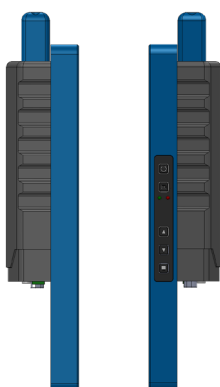
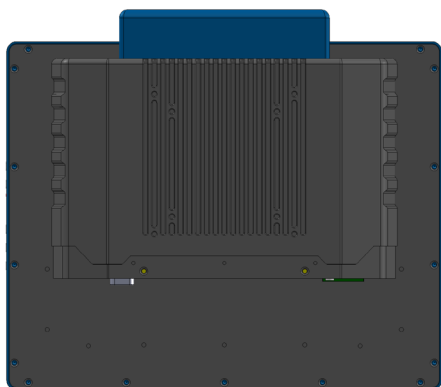
CPU	Intel® Core i5™ -7200U Kaby Lake CPU @ 2.50GHz (Turbo max 3,1 GHz)
RAM	8 GB DDR4 2133 MHz RAM (max. 32 GB möglich)
Graphics Controller	Intel® HD Graphics 620
Hard disk	128 or 256 GB Highspeed SSD (< 500 MB/s reading speed)
Supported OS	Windows 10 Professional, Windows 10 IoT Enterprise

## CONNECTIVITY

WLAN	2x2 MU-MIMO Dual-Band WLAN with integrated antennas Seamless switching between access points Maximum throughput up to 1.73 Gbps IEEE 802.11a/b/g/n/ac, Wave2 support, 802.11d, 802.11e, 802.11h, 802.11i, 802.11w; 802.11r, 802.11k, 802.11v pendingOS support; Fine Timing Measurement based on 802.11REVmc Optionally with external antennas changeable magnetic base for mounting on vehicle roof (Art.-No.: 104510)
Bluetooth	Bluetooth 5, Backward compatible to Bluetooth 2.0



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## DEVICE DATA

Power supply	6 V – 60 V DC
Operating temperature	-20 °C – 60 °C (0° start temperature)
Storage temperature	-30 °C – 70 °C
Humidity	10% – 95%, non-condensing
IP-Protection	65 (except connectors - order IP65 cover for full protection)
Housing	Corrosion-free closed aluminium housing, fanless design
Mounting	VESA75 / VESA100 or mounting bracket
Weight	3.4 kg
Dimensions	392 x 242 x 55 mm
Power consumption	25 W (typical)
Contents	MS512 MK3, Quickstart Guide, 2,5m DC Cable
Control	Power On/Off, Reset, brightness control

## VARIANTS

Bestellcode	Bezeichnung
MS512MK3-P1000X	MS512 MK3, PCAP, Core i5-7200U, 8GB RAM, 128 GB
MS512MK3-R1000X	MS512 MK3, Resistiv, Core i5-7200U, 8GB RAM, 128 GB
	More variants on request