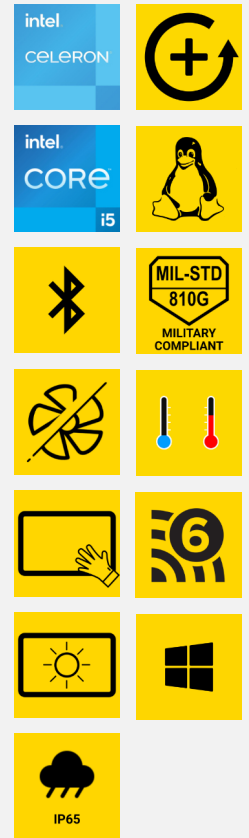


Ready for the future with rugged and reliable panel PCs from WEROCK.



#### Rugged housing

Flat, rugged aluminum housing with IP65 protection\*.

#### Highend Touchscreens

Touchscreen options for every application

#### Modern architecture

Powerful components for high productivity, including Windows 11

#### Highend WiFi

Industry-leading Wi-Fi6 architecture for seamless reception even in challenging environments.

#### Bright displays

Clear view at all times with displays up to 1200 nits

- » Ultra-flat panel PC for production, warehouse and logistics. » 3 x USB 3, 2 x Ethernet, 1 x RS232
- » Ideal for use as forklift terminal, vehicle terminal or operating interface for machines » Industry-leading 2x2 MU-MIMO 802.11ax dual-band
- » Extensive configuration options » Wi-Fi 6 WLAN
- » Scratch and impact-resistant gesture-compatible touchscreen with glove mode » Seamless roaming of different wireless cells thanks to 802.11r
- » Optionally with resistive touchscreen for thick work gloves » Optional external antennas for mounting on vehicle roofs
- » Bright, high-contrast display for use in outdoor environments » Wide input voltage range 6 - 60 V for various vehicle systems
- » Shock and vibration resistance according to MIL-STD-810G » Wide operating temperature range
- » Ideal for harsh environments as it is IP65\* water and dust resistant » Ready for immediate use with Windows 10, Windows 11 or Ubuntu Linux 22.04
- » Designed for industrial applications in continuous operation » TPM 2.0 integrated - hardware tamper protection
- » Modern and powerful Intel® Celeron or Core i5 processors with long-term availability » Easy installation via universal VESA mounting points
- » Up to 32 GB RAM & 1 TB SSD » CO2 emissions from production & logistics fully offset
- » 2 years warranty

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#### General housing characteristics

Housing	Rugged aluminum enclosure, closed (ports excluded), fanless.
Dimensions	<ul style="list-style-type: none"> <li>■ 10,4": 261 x 245 x 69 mm</li> <li>■ 12,1": 310 x 272 x 73 mm</li> <li>■ 15,6": 392 x 267 x 79 mm</li> </ul>
Mounting	Universal VESA mounting points
Sealing	<ul style="list-style-type: none"> <li>■ IP65 from 5 sides</li> <li>■ IP65 full protection*</li> </ul>
Operating temperature	0° C – +60° C (-20° C – +60° C on request <sup>4</sup> )
Vibration resistance	MIL-STD-810G 514.7 (TBD)
Storage temperature	-20° C – +70° C
Humidity	90%, non-condensing
Input voltage	<ul style="list-style-type: none"> <li>■ 6 - 60 V DC (standard)</li> <li>■ 12 - 24 V DC<sup>4</sup></li> <li>■ 110 - 240 V AC*</li> </ul>
Weight	2.6 to 4.4 kg, depending on configuration
Buttons	Power button, reset, brightness up, brightness down, touch screen button
Status indicators	1 x Power LED, 1 x HDD LED

#### System features

Operating system	Windows 10 Pro, Windows 10 IoT Enterprise, Windows 11 Pro (standard), Ubuntu Linux
Processor options	<ul style="list-style-type: none"> <li>■ Intel® Core i5-1245U 10-Core up to 4.40 GHz</li> <li>■ Intel® Celeron J6412 4-Core up to 2.60 GHz</li> </ul>
Graphics processor	<ul style="list-style-type: none"> <li>■ Intel® Iris® Xe Graphics<sup>3</sup></li> <li>■ Intel® UHD-Graphics<sup>2</sup></li> </ul>
System memory	64, 128, 256, or 512 M.2 SSD, optional second SATA SSD for 18.5" display sizes and larger
RAM	<ul style="list-style-type: none"> <li>■ 8, 16, or 32 GB DDR4 3200 MHz<sup>2</sup></li> <li>■ 8, 16, or 32 GB DDR5 3200 MHz<sup>3</sup></li> </ul>

#### Display options

Display	High-quality, high-contrast industrial LED display, viewing angle >89° from all axes, MTBF time >30,000h
Available display sizes	<ul style="list-style-type: none"> <li>■ 10,4": 1024 x 768, 450 nits</li> <li>■ 12,1": 1024 x 768, 600 nits</li> <li>■ 15,6": 1920 x 1080, 400 nits</li> </ul>
Touchscreen	<ul style="list-style-type: none"> <li>■ Rugged, PCAP multi-touchscreen with 10 touch points, glove operable, surface hardness &gt;=7H</li> <li>■ Rugged, pressure-sensitive single-touch touchscreen (5W resistive touchscreen)</li> </ul>
Option for brighter display	1200 nits, available for all models
Optional Clarity Display	Enhanced image display and maximum ruggedness via optical bonding, available for all models
<b>Connectors</b>	
RS232	1 x RS232/422/485
CAN*	1 x CAN2.0 <sup>3</sup>
USB	<ul style="list-style-type: none"> <li>■ 3 x USB 3.1 Gen2, 3 x USB 2.0<sup>2</sup></li> <li>■ 1 x USB Typ C 3.2 Gen2 with DP, 4 x USB 3.2 Gen2x1 10 Gbps<sup>3</sup></li> </ul>
RJ45	<ul style="list-style-type: none"> <li>■ 2 x RJ45 (1 x 1 GBit, 1 x 2.5 GBit)<sup>2</sup></li> <li>■ 2 x RJ45 (2 x 2.5 GBit)<sup>2</sup></li> </ul>
Monitor output (maximum resolution: 4096x2160@60Hz)	<ul style="list-style-type: none"> <li>■ 2 x HDMI 2.0b <sup>2</sup></li> <li>■ 1 x HDMI 2.0b, 1 x DisplayPort 1.4a<sup>3</sup></li> </ul>

\* = Optional <sup>2</sup> = only Celeron Version, <sup>3</sup> = only Intel Core i5 Version, <sup>4</sup> = Not all options are possible without minimum purchase quantities

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#### Communication

WLAN	Wi-Fi6 Intel AX210
Bluetooth	5.3
Ethernet	<ul style="list-style-type: none"> <li>■ 2 x Intel i225V 2,5 GBit<sup>2</sup></li> <li>■ 1 x Intel i219LM 1 GBit, Intel i226 2,5 GBit<sup>3</sup></li> </ul>

#### Further specifications

Innovative Features	Adaptix™ Technology <sup>3</sup> , DL Boost <sup>3</sup> , Flex Memory Access <sup>3</sup> , Gaussian and Neural Accelerator 1.0 <sup>2</sup> /3.0 <sup>3</sup> , Hyper-Threading Technology <sup>3</sup> , Image Processing Unit 6.0 <sup>3</sup> , Hibernation <sup>2</sup> , Secure Boot <sup>2</sup> , Speed Shift Technology, SSE4.1 <sup>3</sup> , SSE4.2 <sup>3</sup> , AVX2 <sup>3</sup> , Thermal Monitoring Technologies <sup>3</sup> , Thread Director <sup>3</sup> , Volume Management Device (VMD) <sup>3</sup> .
Security Features	Active Management Technology (AMT) <sup>3</sup> , AES New Instructions, Boot Guard, Control-Flow Enforcement Technology <sup>3</sup> , Directed-I/O Virtualization Technology (VT-d), Mode-based Execute Control (MBE) <sup>3</sup> , One-Click Recovery <sup>3</sup> , OS Guard, QuickAssist Software Acceleration <sup>3</sup> , Remote Platform Erase (RPE) <sup>3</sup> , Secure Key, Stable Image Platform Program (SIPP) <sup>3</sup> , Threat Detection Technology (TDT) <sup>3</sup> , Total Memory Encryption - Multi Key <sup>3</sup> , Total Memory Encryption <sup>3</sup> , TPM 2.0, Trusted Execution Technology <sup>3</sup> , Virtualization Technology (VT-x)

#### Optional features<sup>4</sup>

Boot on Power	Turns on the computer as soon as it receives power
External WLAN Antennas	Project-related, external IP65 WLAN antennas for mounting on a vehicle roof
Integrated battery	Optional integrated UPS <sup>2</sup>

#### Miscellaneous

Included accessories	DC Power Cable
Optional accessories	See accessories catalog
Warranty	2 year warranty, extended warranty available

\* = Optional <sup>2</sup> = only Celeron Version, <sup>3</sup> = only Intel Core i5 Version, <sup>4</sup> = Not all options are possible without minimum purchase quantities