



## Features

- 12,1" P-Cap oder Resistiver Touchscreen
- Lüfterloses Kühlsystem
- Leicht zugänglicher M.2-Speicher, bis zu 1 TB
- Intel 8. Gen. Core i3/i5 CPU
- Weitbereich 9~36VDC Stromeingang

## Technical Specifications

### Primäre Komponenten

|                  |                                                       |
|------------------|-------------------------------------------------------|
| Processor Family | Intel Celeron or Core i 8th Generation Whiskey Lake   |
| Processor Model  | Core i3 8145UE, Core i5-8365UE                        |
| Processor Speed  | 2,2 GHz                                               |
| Memory Type      | 1x DDR4 SO-DIMM                                       |
| Memory Support   | 4GB, 8GB, 16GB, 32 GB                                 |
| Storage Type     | 1x M.2 M Key, PCIe oder SATA, 2242 NVME Unterstützung |
| Storage Support  | M.2: 128GB-1TB                                        |

### Display

|              |                                             |
|--------------|---------------------------------------------|
| Screen Size  | 12.1"                                       |
| Screen Ratio | 4:3                                         |
| Brightness   | 500 nits, Optional 1000 nit hohe Helligkeit |

### Touchscreen

|              |                                        |
|--------------|----------------------------------------|
| Touch Screen | Projiziert kapazitiv, Widerstandsfähig |
|--------------|----------------------------------------|

### Externe E/A-Ports

|                        |                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| USB                    | 4x USB 3.0                                                                                                                           |
| Serial / Com           | 1x COM                                                                                                                               |
| Serial Protocol Detail | Das mitgelieferte Y-Kabel bietet zwei DB-9 Com-Anschlüsse: 1x 5-Pin RS-232 (COM1) und 1x konfigurierbare 3-Pin RS-232/422/485 (COM2) |
| Ethernet / LAN         | 2x RJ45 GbE LAN                                                                                                                      |
| Video Outputs          | 1x DisplayPort                                                                                                                       |
| Other Ports            | 1x 2-Pin DC Power Switch Anschluss                                                                                                   |
| Audio Ports            | 1x 3.5mm Audio Line-Out                                                                                                              |
| Power Input Port       | 2-poliger Netzschalter, 3-poliger DC-Eingang (Phoenix-Typ), Optional POE++, 45W mit 2x USB 2.0                                       |

### Leistung

|                        |                                 |
|------------------------|---------------------------------|
| Input Voltage Range    | 9-36V DC                        |
| Max Power Consumption  | 56W                             |
| Standard Power Adapter | Optionaler 12V 5A AC/DC Adapter |

## Batterie

|                        |                            |
|------------------------|----------------------------|
| Battery Type           | Optionale interne Batterie |
| Battery Operating Time | 20min                      |

## Betriebssysteme

|         |                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------|
| Windows | Windows 10 IoT, Windows 11 IoT, Windows 11 Pro                                                                       |
| Linux   | Linux Ubuntu 20.04 oder höher (Wenden Sie sich für weitere Informationen an Ihren Vertriebsmitarbeiter), Yocto Linux |

## Kompatibilität

|                   |         |
|-------------------|---------|
| Security Hardware | TPM 2.0 |
|-------------------|---------|

## Erweiterungssteckplätze

|              |                                   |
|--------------|-----------------------------------|
| Internal M.2 | 1x M.2 für NVME SSD Unterstützung |
|--------------|-----------------------------------|

## Multimedia

|          |                         |
|----------|-------------------------|
| Speakers | Optionaler Lautsprecher |
|----------|-------------------------|

## Thermisch & Umwelt

|                       |                                   |
|-----------------------|-----------------------------------|
| Operating Temperature | 0°C - 50°C (32°F - 122°F)         |
| Storage Temperature   | -20°C - 60°C (-4°F - 140°F)       |
| Cooling Solution      | Passiv – Lüfterlos mit Kühlkörper |
| Humidity Range        | 10% - 95% nicht kondensierend     |

## Gehäuse

|                  |                                    |
|------------------|------------------------------------|
| Material         | Aluminium                          |
| IP Rating        | IP66 Frontblende                   |
| Color            | Gray                               |
| Mounting Options | Schalttafelmontage, VESA-Halterung |

## Peripheriegeräte und drahtlose Konnektivität

|          |                              |
|----------|------------------------------|
| Sim Card | 1x Nano-SIM-Kartensteckplatz |
|----------|------------------------------|

## Gewicht / Abmessungen

|            |                                           |
|------------|-------------------------------------------|
| Weight     | 2.7 kg (6.0 lbs)                          |
| Dimensions | 319 x 245 x 51.7 mm (12.6 x 9.6 x 2.0 in) |

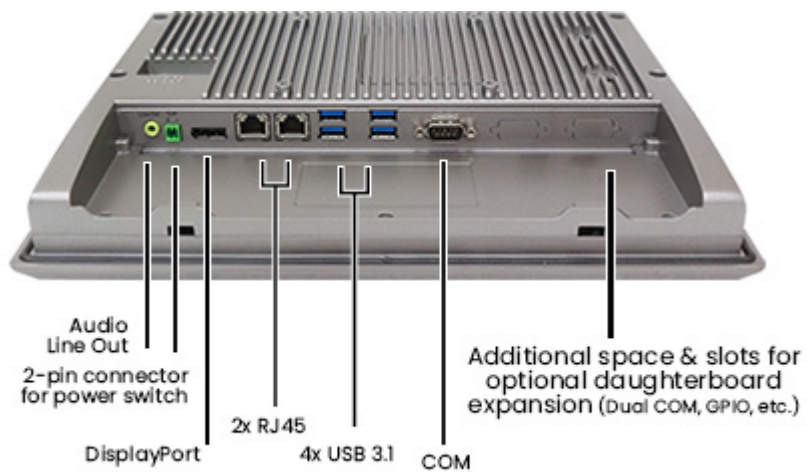
## Zertifizierung

|                |                            |
|----------------|----------------------------|
| Certifications | CE, FCC Klasse A, UL 62368 |
|----------------|----------------------------|

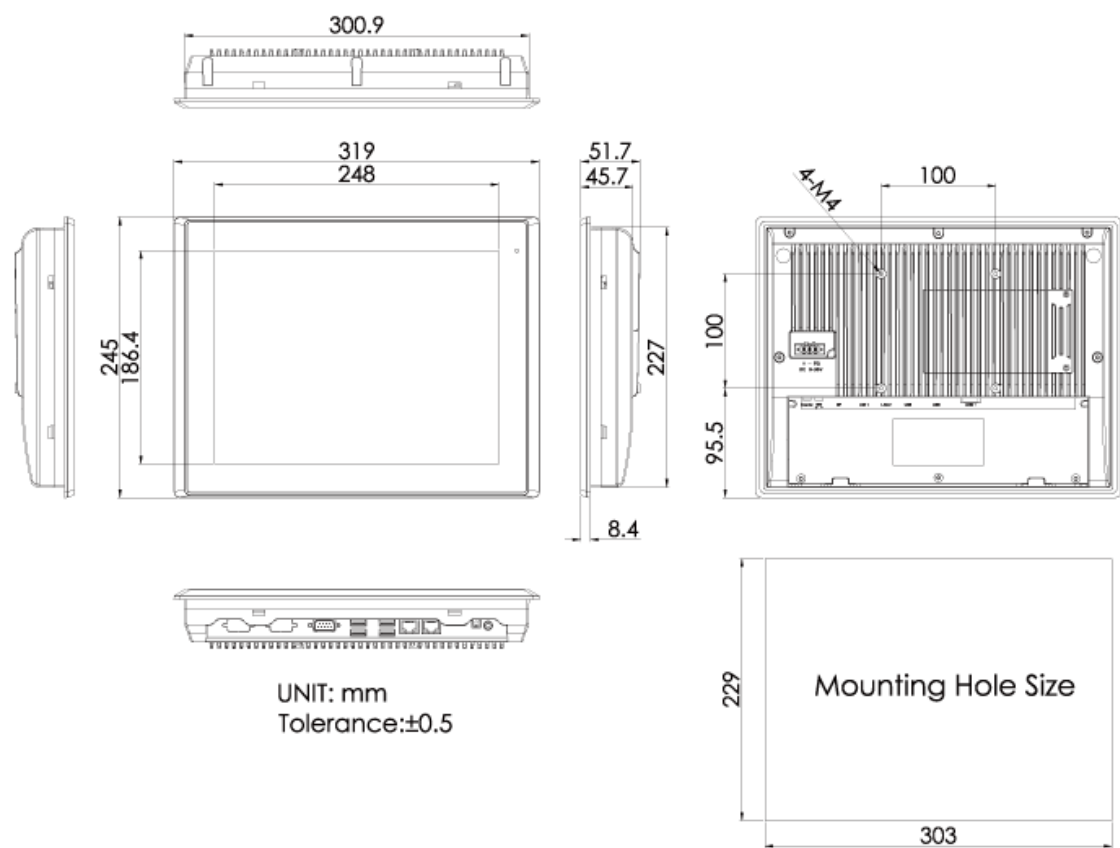
## Garantie

|          |        |
|----------|--------|
| Warranty | 1 Jahr |
|----------|--------|

### I/O-Diagramm-Bilder



### Tech Diagram Bilder



*All specifications are subject to change without notice.*