



## Features

- 19" Touchscreen mit einem Verhältnis von 5:4
- Intel Celeron Quad-Core-Prozessor
- NEMA 4X / IP66 / IP69K Edelstahl-Gehäuse
- Vollständig versiegeltes und wirklich lüfterloses Design
- M12 Metall E/A Steckverbinder

## Technical Specifications

### Primary Components

|                  |                                           |
|------------------|-------------------------------------------|
| Processor Family | Intel Celeron Bay Trail                   |
| Processor Model  | J1900 Quad Core                           |
| Processor Speed  | 2.0 GHz                                   |
| Memory Type      | 2x DDR3L SO-DIMM                          |
| Memory Support   | 2GB, 4GB, 8GB                             |
| Storage Type     | 1x 2,5" SATA Laufwerksschacht für SSD/HDD |
| Storage Support  | 32GB-1TB                                  |

### Display

|              |                    |
|--------------|--------------------|
| Screen Size  | 19                 |
| Resolution   | 1280 x 1024 (SXGA) |
| Screen Ratio | 5:4                |
| Brightness   | 350 Nits           |

### Touch Screen

|              |                                 |
|--------------|---------------------------------|
| Touch Screen | 5 Draht Widerstandsfähig        |
| Hardness     | Widerstandsfähig: 4H, P-cap: 7H |

### External I/O Ports

|                        |                                     |
|------------------------|-------------------------------------|
| USB                    | 2x M12 8Pin für USB 1/2 und USB 3/4 |
| Serial / Com           | 2x M12 8-polig für COM              |
| Serial Protocol Detail | RS-232                              |
| Ethernet / LAN         | 1x M12 8pin RJ45 Gbe LAN            |
| Power Input Port       | M12 Typ 5-PIN DC-Eingang            |

### Power

|                        |                                     |
|------------------------|-------------------------------------|
| Input Voltage Range    | 7-32V DC                            |
| Max Power Consumption  | 35W                                 |
| Standard Power Adapter | AC 100~240V / 47 ~ 63 Hz, IP68, 60W |

## Operating Systems

|         |                                               |
|---------|-----------------------------------------------|
| Windows | Windows 7 Pro, Windows 10 IoT, Windows 10 Pro |
|---------|-----------------------------------------------|

## Compatibility

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

## Expansion Slots

|                    |                 |
|--------------------|-----------------|
| Video Card Support | Intel HD-Grafik |
|--------------------|-----------------|

## Thermal & Environmental

|                       |                                 |
|-----------------------|---------------------------------|
| Operating Temperature | 0°C - 40°C (32°F - 104°F)       |
| Storage Temperature   | -20°C - 60°C (-4°F - 140°F)     |
| Cooling Solution      | Passiv - Lüfterlos              |
| Humidity Range        | 10 % – 90 % nicht kondensierend |
| Storage Humidity      | 10% – 90% Non-condensing        |

## Enclosure

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material                    | SUS304 Edelstahl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| IP Rating                   | IP66, IP69K, NEMA 4X, Optional IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Color                       | Rostfreier Stahl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Control Buttons             | Ein-/Aus-Taste, Power Reset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mounting Options            | Tisch montieren, VESA 100 Halterung, Wandhalterung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Approved Cleaning Solutions | Ammoniumnitrat (niedrige Konzentration), Benzin, Chlorwasserstoffsäure (niedrige Konzentration), Eisenchlorid-Lösung, Essigsäure (niedrige Konzentration), Ethanol, Ethylenglykol-Lösung (1:1 mit Wasser), Hexan, Isooctan, Isopropyl-Alkohol, Natriumchlorid-Lösung, Natriumkarbonat (niedrige Konzentration), Natriumnitrat (niedrige Konzentration), Paraffin, Perhydrol (30% in Wasser), Phosphorsäure (niedrige Konzentration), Propan, Salpetersäure (niedrige Konzentration), Schwefelsäure (niedrige Konzentration), Silikonöl, Triethylenglykol, Zitronensäure (niedrige Konzentration) |

## Peripherals & Wireless Connectivity

|      |                                                        |
|------|--------------------------------------------------------|
| WiFi | Optionales Bluetooth-Kit und WLAN mit externer Antenne |
|------|--------------------------------------------------------|

## Weight / Dimensions

|            |                                          |
|------------|------------------------------------------|
| Weight     | 11 kg (24.3 lbs)                         |
| Dimensions | 458 x 64 x 386 mm (18.0 x 2.5 x 15.2 in) |

## Certification

|                |                        |
|----------------|------------------------|
| Certifications | CE, FCC Klasse A, VCCI |
|----------------|------------------------|

## Warranty

|          |                |
|----------|----------------|
| Warranty | Bis zu 5 Jahre |
|----------|----------------|

*All specifications are subject to change without notice.*