

# TS-4010-19

## 19" Stainless Steel Waterproof PC



### Key Highlights

- 19" 5:4 Ratio Touchscreen
- Intel Celeron Quad Core Processor
- NEMA 4X / IP66 / IP69K Stainless Steel Enclosure
- Fully Sealed and Truly Fanless Design
- M12 Metal I/O Connectors

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The TS-4010-19 is an IP69K rated computer designed to be placed in pharmaceutical or food and beverage industry environments. This waterproof PC can withstand airborne particles and washdowns with hot water and high pressure sprays. The TS-4010-19 is manufactured with industrial grade components and has connectors made with M12 anti-corrosion metal. The Intel quad core processor is designed to work with software frequently used in the food and beverage industries such as ERP software and other software types where consistent live tracking of data is needed. The TS-4010-19 has a fully flush screen, a very thin profile. The I/Os are tucked neatly under the enclosure which reduces cord management space needed. The TS-4010-19 provides you with a clear, elegant computer hardware solution in dirty and rugged environments.

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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 Drive Bay for SSD/HDD |
| Storage Support    | 32GB-1TB                           |

| External I/O Ports     |                                     |
|------------------------|-------------------------------------|
| USB                    | 2x MI2 8Pin for USB 1/2 and USB 3/4 |
| Serial / Com           | 2x MI2 8-pin for COM                |
| Serial Protocol Detail | RS-232                              |
| Ethernet / LAN         | 1x MI2 8pin RJ45 Gbe LAN            |
| Power Input Port       | MI2 type 5-PIN DC-in                |

| Compatibility     |                  |
|-------------------|------------------|
| Security Hardware | Optional TPM 2.0 |

| Thermal & Environmental |                             |
|-------------------------|-----------------------------|
| Operating Temperature   | 0°C – 40°C (32°F – 104°F)   |
| Storage Temperature     | -20°C – 60°C (-4°F – 140°F) |
| Cooling Solution        | Passive – Fanless           |
| Humidity Range          | 10% – 90% Non-condensing    |
| Storage Humidity        | 10% – 90% Non-condensing    |

| Peripherals & Wireless Connectivity |                                                       |
|-------------------------------------|-------------------------------------------------------|
| WiFi                                | Optional Bluetooth kit and WLAN with External Antenna |

| Certification  |                       |
|----------------|-----------------------|
| Certifications | CE, FCC Class A, VCCI |

| Warranty |               |
|----------|---------------|
| Warranty | Up to 5 Years |

Specifications subject to change.

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

| Touch Screen |                          |
|--------------|--------------------------|
| Touch Screen | 5 Wire Resistive         |
| Hardness     | Resistive: 4H, P-cap: 7H |

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

| Expansion Slots    |                   |
|--------------------|-------------------|
| Video Card Support | Intel HD Graphics |

| Enclosure        |                                         |
|------------------|-----------------------------------------|
| Material         | SUS304 Stainless Steel                  |
| IP Rating        | IP66, IP69K, NEMA 4X, Optional IP67     |
| Color            | Stainless Steel                         |
| Control Buttons  | Power Button, Power Reset               |
| Mounting Options | Table Mount, VESA 100 Mount, Wall Mount |

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approved Cleaning Solutions | Acetic Acid (low concentration), Ammonium Nitrate (low concentration), Benzine, Citric Acid (low concentration), Ethanol, Ethylene Glycol Solution (1:1 with water), Hexane, Hydrochloric Acid (low concentration), Iron Chloride Solution, Isooctane, Isopropyl Alcohol, Nitric Acid (low concentration), Paraffin, Perhydrol (30% in water), Phosphoric Acid (low concentration), Propane, Silicone Oil, Sodium Carbonate (low concentration), Sodium Chloride Solution, Sodium Nitrate (low concentration), Sulfuric Acid (low concentration), Triethylene Glycol |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

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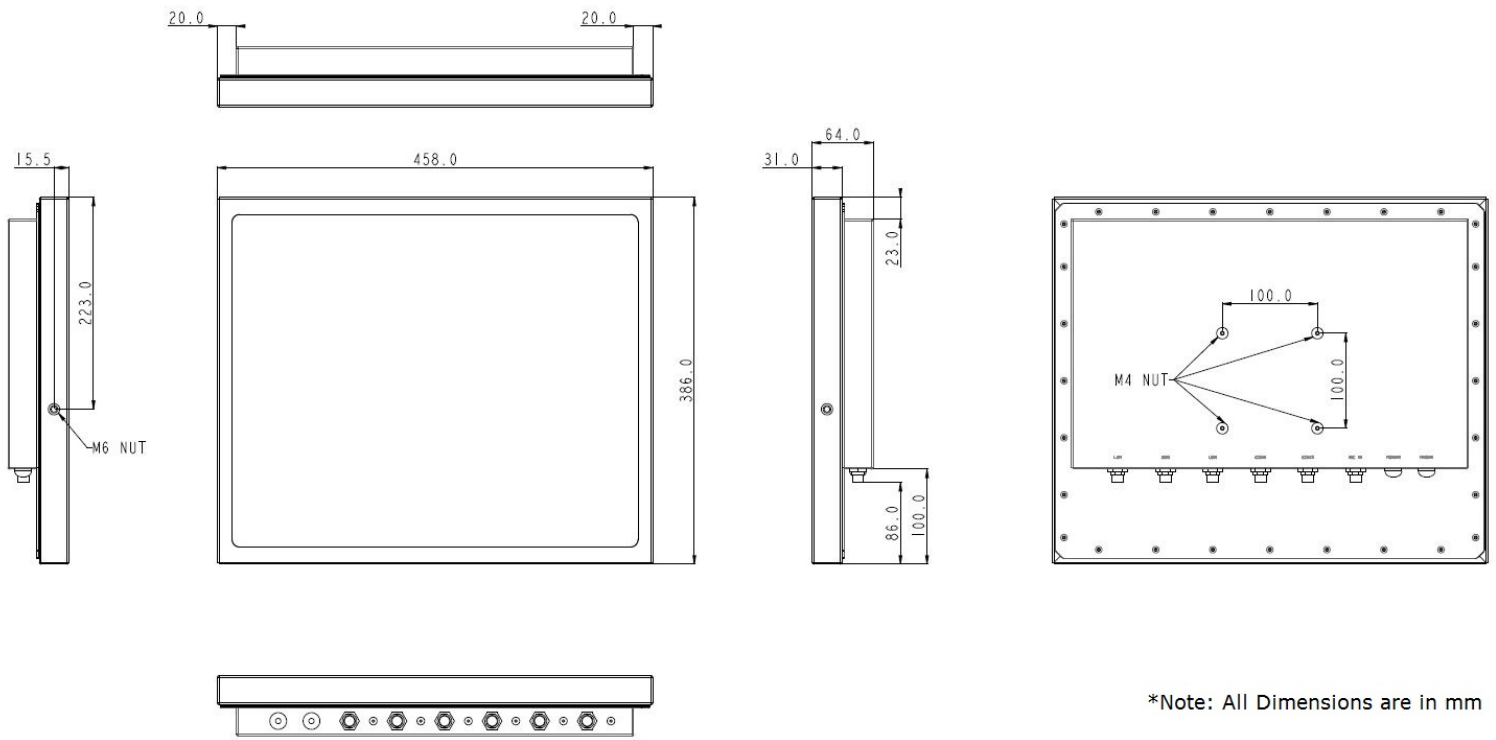
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## Tech Diagram Images



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