

TS-4810-15

15" Stainless Steel Panel PC



Key Highlights

- 15" Waterproof Touchscreen
- Intel Celeron J6412 CPU with Windows 11 Capabilities
- IP66 / IP69K Rated
- Waterproof Connectors and Power Supply
- Fanless Operation

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The TS-4810-15 is a fully flush front, waterproof computer designed for food processing and repeated cleanings in washdown environments. The housing is fully sealed stainless steel, meaning there are no crevices where dirt and debris can collect. Inside the computer are industrial-grade components and an Intel Celeron J6412 that is capable of running the Windows 11 Operating System. Multiple inputs and outputs are located on the back side of the unit and have M12 metal I/O connectors to ensure that no water gets in during powerful washdowns.

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Technical Specifications

Primary Components

| | |
|------------------|--|
| Processor Family | Intel Celeron Elkhart Lake |
| Processor Model | Celeron J6412 |
| Processor Speed | Up to 2.6 GHz |
| Memory Type | 2x DDR4 SO-DIMM |
| Memory Support | 4GB, 8GB, 16GB, 32GB |
| Storage Type | 1x 2.5" SATA Drive Bay for SSD/HDD, 1x M.2 SATA3 2280 Slot |
| Storage Support | 64GB-2TB |

External I/O Ports

| | |
|------------------------|---|
| USB | 2x M12 8Pin for USB 1/2 and USB 3/4 |
| Serial / Com | 2x M12 8-pin for COM |
| Serial Protocol Detail | 2x RS-232/422/485 (configured in BIOS) |
| Ethernet / LAN | 1x M12 8 pin RJ45 2.5Gbit LAN |
| Other Ports | M12 Ports can be configured as needed. Example: 2nd LAN or 3rd COM port |
| Power Input Port | M12 type 5-PIN DC-in |

Expansion Slots

| | |
|--------------|---|
| Internal M.2 | 1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 3042/3052 Key B (For 4G/5G Cellular expansion option) |
|--------------|---|

Thermal & Environmental

| | |
|-----------------------|-----------------------------|
| Operating Temperature | 0°C - 50°C (32°F - 122°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 WiFi + Bluetooth Flat Antenna Kit, Supports WIFI 6 (AX) |
| Bluetooth | Optional Bluetooth 5.2 |
| Barcode Scanner | Optional 1D/2D Barcode Scanner |

Certification

| | |
|----------------|-----------------------|
| Certifications | CE, FCC, VCCI Class B |
|----------------|-----------------------|

Specifications subject to change.

Display

| | |
|-------------------|------------------|
| Screen Size | 15" |
| Screen Resolution | 1024 x 768 (XGA) |
| Screen Ratio | 4:3 |
| Brightness | 350 nits |

Touch Screen

| | |
|--------------|--|
| Touch Screen | 5 Wire Resistive, Projected Capacitive (Multi-touch) |
| Hardness | Resistive: 3H, P-cap: 7H |

Power

| | |
|------------------------|------------------------------------|
| Input Voltage Range | 12-28V DC |
| Standard Power Adapter | AC 100-240V / 47 - 63Hz, IP68, 60W |

Operating Systems

| | |
|---------|---|
| Windows | Windows 10 IoT, Windows 10 Pro, Windows 11 Pro |
| Linux | Linux Ubuntu 20.04 or above (Contact your sales rep for more information) |

Compatibility

| | |
|-------------------|----------|
| Security Hardware | fTPM 2.0 |
|-------------------|----------|

Multimedia

| | |
|----------|------------------|
| Speakers | Optional Speaker |
|----------|------------------|

Enclosure

| | |
|------------------|---|
| Material | Optional SUS316 Stainless Steel, SUS304 Stainless Steel |
| IP Rating | IP66, IP69K, NEMA 4X, Optional IP67 |
| Color | Stainless Steel |
| Control Buttons | Power Button |
| Mounting Options | Table Mount, VESA 100 Mount, Wall Mount |

Weight / Dimensions

| | |
|------------|--|
| Weight | 8.4 kg (18.5 lbs) |
| Dimensions | 395 x 310 x 58 mm (15.6 x 12.2 x 2.3 in) |

Warranty

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

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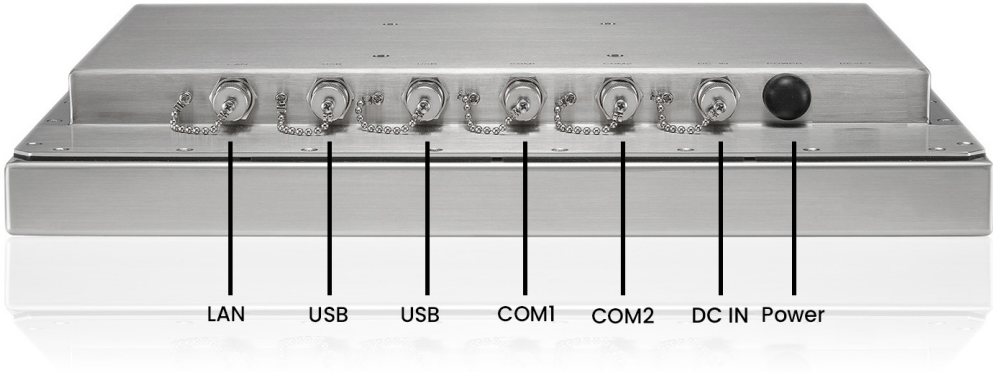
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I/O Diagram Images



USA

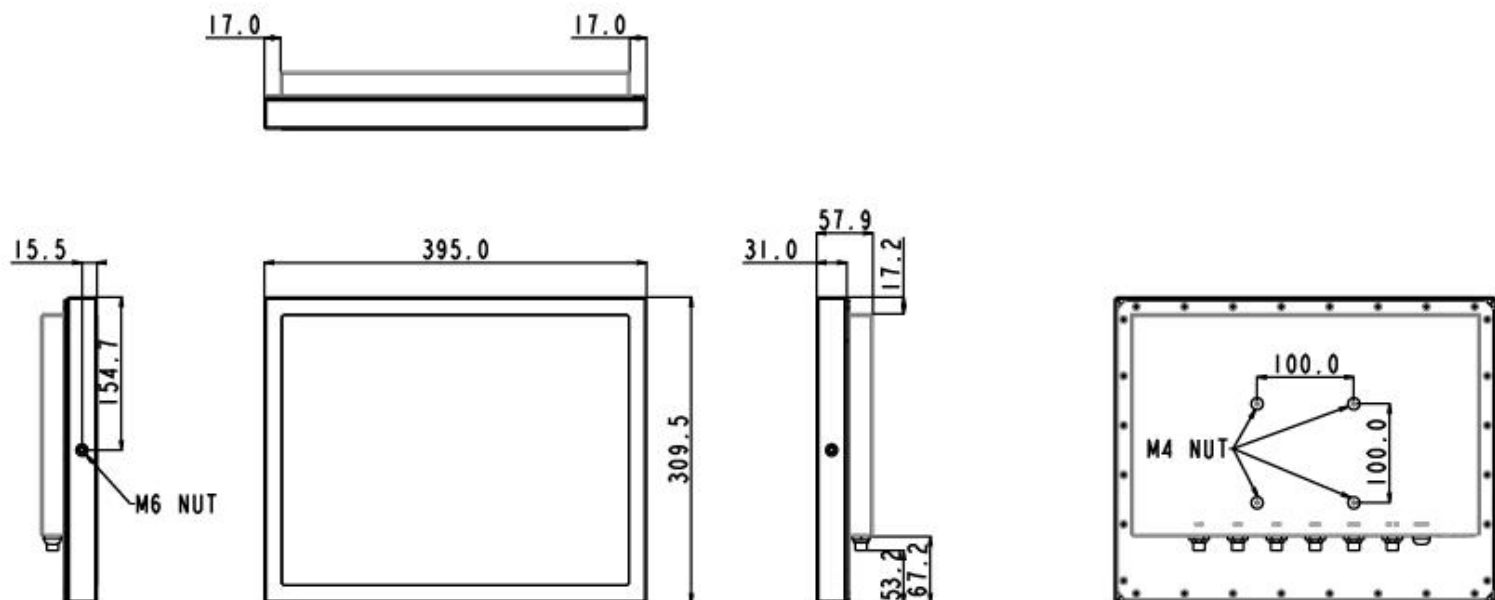
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