

# TSP-5045-19

## 19" Industrial Touch Screen PC



### Key Highlights

- 19" Resistive or P-cap Touchscreen
- 6th Gen. Intel Skylake Processor
- IP66/IP69K Compliant Front Bezel
- 304 Stainless Steel Front (Optional 316)
- Aluminum Back Cover and Fanless Design

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This 19" Industrial [Panel PC](#) has an IP66/IP69K compliant front panel. When panel mounted, this PC is the ideal waterproof solution for food and beverage manufacturing or industrial applications exposed to liquids, sprays or humidity. The TSP-5045-19 can also be VESA mounted and it has an aluminum back cover. The stainless steel front bezel is grade 304, ensuring it will never rust. An upgrade to 316 stainless steel will further protect the unit from salt water. This PC has an Intel Skylake i3/i5 CPU and supports Windows 10 IoT, ideal for your HMI, SCADA program or ERP software. The TSP-5045 series is available in screen sizes from 12" – 22".

#### USA

Teguar  
2920 Whitehall Park Drive  
Charlotte, NC 28273  
+1 866-693-3105  
[sales@teguar.com](mailto:sales@teguar.com)

#### EUROPE

Teguar Europe AG  
Churerstrasse 54, CH-8808  
Pfäffikon, Switzerland  
+41 41 561 53 11  
[sales.EU@teguar.com](mailto:sales.EU@teguar.com)

#### ASIA

Teguar Taiwan Ltd.  
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,  
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)  
+886 2 7751 5319  
[sales@teguar.com.tw](mailto:sales@teguar.com.tw)

# Technical Specifications

| Primary Components |                                                        |
|--------------------|--------------------------------------------------------|
| Processor Family   | Intel Core I series 6th Generation Skylake             |
| Processor Model    | Core i3-6100U                                          |
| Processor Speed    | 2.3 GHz                                                |
| Memory Type        | 1x DDR4 SO-DIMM                                        |
| Memory Support     | 4GB, 8GB, 16GB                                         |
| Storage Type       | 1x 2.5" SATA Drive Bay for SSD/HDD (easily accessible) |
| Storage Support    | 32GB-1TB                                               |

| Power                  |                            |
|------------------------|----------------------------|
| Input Voltage Range    | 9-36V DC                   |
| Max Power Consumption  | 60W                        |
| Standard Power Adapter | Optional 12V AC/DC Adapter |

| Operating Systems |                                |
|-------------------|--------------------------------|
| Windows           | Windows 10 IoT, Windows 10 Pro |

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

| 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           |
| Storage Humidity        | 10% - 90% Non-condensing    |

| Peripherals & Wireless Connectivity |      |
|-------------------------------------|------|
| WiFi                                | WiFi |

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

Specifications subject to change.

| Display      |                                            |
|--------------|--------------------------------------------|
| Screen Size  | 19"                                        |
| Screen Ratio | 4:3                                        |
| Brightness   | 350 nits, Optional 900 nit High Brightness |

| Touch Screen |                                 |
|--------------|---------------------------------|
| Touch Screen | Projected Capacitive, Resistive |

| External I/O Ports     |                                                                    |
|------------------------|--------------------------------------------------------------------|
| USB                    | 2x USB 3.0                                                         |
| Serial / Com           | 2x COM                                                             |
| Serial Protocol Detail | 1x RS-232/422/485 DB-9, default RS-232(COM1), 1x RS-232 DB-9(COM2) |
| Ethernet / LAN         | 2x RJ45 GbE LAN                                                    |
| Video Outputs          | 1x Optional HDMI                                                   |
| Audio Ports            | 1x Audio Line-Out                                                  |
| Power Input Port       | 3-Pin DC-In (Phoenix Type)                                         |

| Expansion Slots |                      |
|-----------------|----------------------|
| SD card         | 1x Full Size SD Slot |

| Enclosure                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material                    | Aluminum, Optional SUS316 Stainless Steel, SUS304 Stainless Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| IP Rating                   | IP66 Front Bezel, IP69K Front Bezel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Mounting Options            | Panel Mount, VESA 100 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              | 5.9 kg (13.0 lbs)                          |
| Dimensions          | 485 x 398 x 63.8 mm (19.1 x 15.7 x 2.5 in) |

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

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+886 2 7751 5319  
sales@teguar.com.tw

## I/O Diagram Images



### USA

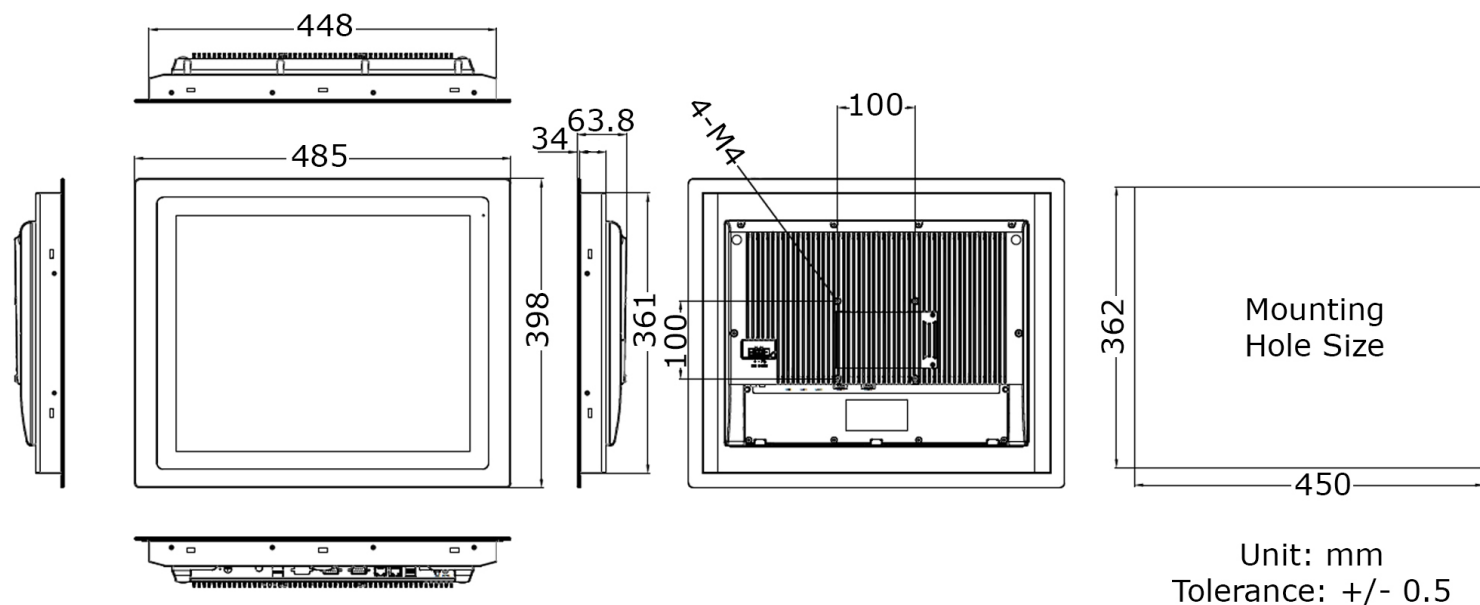
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