

# TS-5945-22

## 22" Stainless Steel Computer



### Key Highlights

- 21.5" Touchscreen Display
- Intel 11th Generation Tiger Lake Core i3/i5 CPU
- Fanless Cooling System
- Windows 11 Compatible
- Multiple I/Os including 2x USB 2.0, 1x LAN, and 1x COM
- IP66/IP69K Waterproof Rated

[VIEW ONLINE](#)

The TS-5945-22 Stainless Steel Computer is ideal for industrial environments where water, dust, or harsh chemicals are present. The unit is made with SUS304 stainless steel, complete with hygienic bolts sealed with rubber NBR rings to keep moisture out. Equipped with multiple I/Os, M12 waterproof connectors allow for the use of inputs and outputs while in these wet environments. This 22" Stainless Steel Computer even comes with two optional blank M12 connectors for additional I/Os of your choice. Located inside the units is a powerful Intel® 11th Generation Tiger Lake CPU that allows the computer to be able to run Windows 11 operating system smoothly.

#### USA

Teguar  
2920 Whitehall Park Drive  
Charlotte, NC 28273  
+1 866-693-3105  
sales@teguar.com

#### EUROPE

Teguar Europe AG  
Churerstrasse 54, CH-8808  
Pfäffikon, Switzerland  
+41 41 561 53 11  
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

# Technical Specifications

| Primary Components |                                                          |
|--------------------|----------------------------------------------------------|
| Processor Family   | Intel Core I series 11th Generation Tiger Lake           |
| Processor Model    | Standard Core i3-1115G4E, optional upgrade to i5-1145G7E |
| Processor Speed    | Up to 4.1 GHz                                            |
| Memory Type        | 2x DDR4 SO-DIMM                                          |
| Memory Support     | 4GB, 8GB, 16GB, 32GB, 64GB                               |
| Storage Type       | 1x M.2 2280 SSD slot, SATA3 or NVME                      |
| Storage Support    | 128GB-1TB                                                |

| Power                  |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| Input Voltage Range    | 9-36V DC                                                                |
| Max Power Consumption  | 36W                                                                     |
| Standard Power Adapter | Optional IP67, AC 90-305V Input, 96W OR Non-IP65, AC 90-305V Input, 90W |

| Operating Systems |                                                |
|-------------------|------------------------------------------------|
| Windows           | Windows 10 IoT, Windows 10 Pro, Windows 11 Pro |

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

| Thermal & Environmental |                                   |
|-------------------------|-----------------------------------|
| Operating Temperature   | 0°C - 50°C (32°F - 122°F (i3/i5)) |
| Storage Temperature     | -30°C - 70°C (-22°F - 158°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, Supports WIFI 6 (AX) |
| Bluetooth                           | Bluetooth 5.2                                                 |
| Sim Card                            | 1x Nano SIM Card Slot                                         |
| RFID                                | Optional RFID module on front side, project only              |

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

Specifications subject to change.

| Display      |                                             |
|--------------|---------------------------------------------|
| Screen Size  | 21.5"                                       |
| Resolution   | 1920 x 1080 (Full HD)                       |
| Screen Ratio | 16:9                                        |
| Brightness   | 250 nits, Optional 1000 nit High Brightness |

| Touch Screen |                                    |
|--------------|------------------------------------|
| Touch Screen | Projected Capacitive (Multi-touch) |

| External I/O Ports     |                                                        |
|------------------------|--------------------------------------------------------|
| USB                    | 1x M12 8Pin for USB 1/2                                |
| Serial / Com           | 1x M12 8-pin for COM                                   |
| Serial Protocol Detail | 1x RS-232/422/485 (configured in BIOS), RS-232 default |
| Ethernet / LAN         | 1x M12 8pin RJ45 Gbe LAN                               |
| Other Ports            | 2x blank M12s are reserved for optional IO expansion   |
| Power Input Port       | M12 type 3-PIN DC-in                                   |

| Expansion Slots |                                               |
|-----------------|-----------------------------------------------|
| Internal M.2    | 1x M.2 2230 Key E (for WiFi expansion option) |

| Enclosure        |                                        |
|------------------|----------------------------------------|
| Material         | SUS304 Stainless Steel                 |
| IP Rating        | IP66, IP69K                            |
| Color            | Stainless Steel                        |
| Control Buttons  | Power Switch                           |
| Mounting Options | Floor Stand, Swing Arm, VESA 100 Mount |

| Weight / Dimensions |                                                |
|---------------------|------------------------------------------------|
| Weight              | 7.9 kg (17.4 lbs)                              |
| Dimensions          | 540.4 x 332.4 x 61.9 mm (21.3 x 13.1 x 2.4 in) |

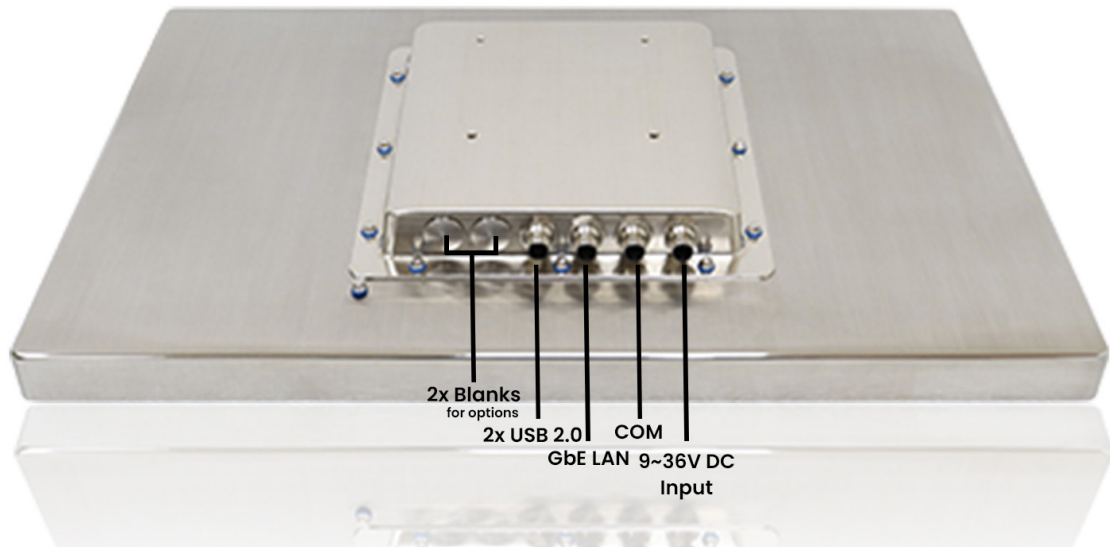
| Certification  |         |
|----------------|---------|
| Certifications | CE, FCC |

**USA**  
Teguar  
2920 Whitehall Park Drive  
Charlotte, NC 28273  
+1 866-693-3105  
sales@teguar.com

**EUROPE**  
Teguar Europe AG  
Churerstrasse 54, CH-8808  
Pfäffikon, Switzerland  
+41 41 561 53 11  
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

## I/O Diagram Images



### USA

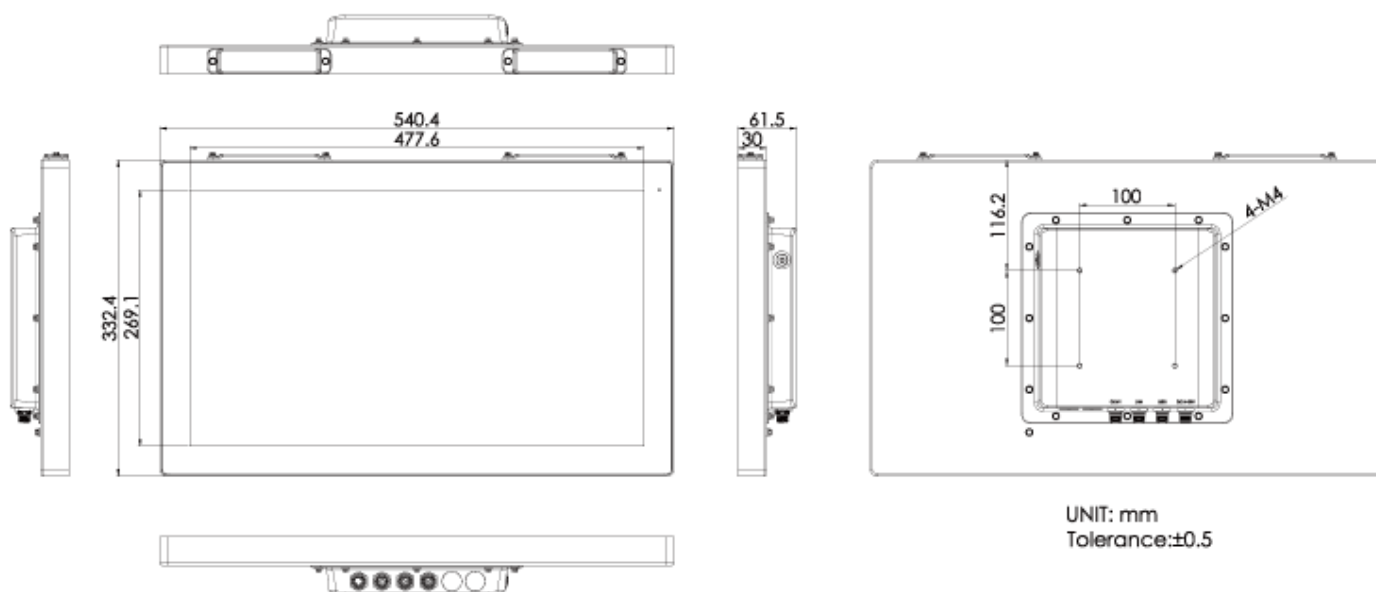
Teguar  
2920 Whitehall Park Drive  
Charlotte, NC 28273  
+1 866-693-3105  
sales@teguar.com

### EUROPE

Teguar Europe AG  
Churerstrasse 54, CH-8808  
Pfäffikon, Switzerland  
+41 41 561 53 11  
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



## USA

Teguar  
2920 Whitehall Park Drive  
Charlotte, NC 28273  
+1 866-693-3105  
sales@teguar.com

## EUROPE

Teguar Europe AG  
Churerstrasse 54, CH-8808  
Pfäffikon, Switzerland  
+41 41 561 53 11  
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