

R15L600-65EX

15" IP65 Stainless ATEX Rugged Display



KEY FEATURES

- Class 1, Division 2 & ATEX Zone 2 application certification rugged touchscreen
- 15" 1024 x 768, 550 nits (Optional 1000 nits) LCD Panel
- Explosion-proof 5-wire resistive touch
- Stainless steel design
- IP65 Certified, dust-proof and water-resistant

INTRODUCTION

Winmate ATEX Display Series is engineered for hazardous environments, offering Class 1, Division 2, and ATEX Zone 2 certifications for explosion-proof applications. With sizes like the 15" IP65 stainless rugged display, this series features a durable stainless-steel design, 5-wire resistive touch, and high-brightness options up to 1000 nits for optimal visibility. Its IP65 certification ensures dust and water resistance, making it ideal for industrial and outdoor use in challenging environments requiring safety and reliability.

OVERVIEW



Certified for Hazardous Locations

The R15L600-65EX is ATEX Zone 2 certified computers for remote data collection, process visualization, and control. Suitable for the deployment in ATEX Zone, where safety is the priority.

Real-Time Production Monitoring and Control

Take production control to the next level with real-time data monitoring and visualization. The R15L600-65EX is a stainless ATEX display with a set of features designed to withstand industrial use in hazardous locations and extreme temperatures while providing high tech solutions that increase productivity, improve safety, and reduce operational costs.





Supports VESA Mount

The R15L600-65EX supports standardized VESA 100 x 100 mm mount for the simple installation of the chassis at the operation location, compatible with swing arm mounting kits. The R15L600-EX ATEX display also supports a rear mount for installation inside a panel or console.

Explosion-Proof Resistive Touchscreen

The R15L600-65EX features explosion-proof ELO 5W resistive touch or ELO 5W projected capacitive PCAP multi-touch. Easy user controls and durability for some of the most demanding applications, such as control panel on a drilling rig.



Rugged and Waterproof Design

The R15L600-65EX ATEX display offers full IP65 protection against dust and water, withstands vibration, and compliant with MIL-STD-810F standard requirements. Resists vibration that often occurs on the industrial site and in potentially explosive environments. All the I/O ports are feature waterproof connectors M12 type for maximum protection in wet and dusty operation conditions.

SPECIFICATIONS

Display

| | | | |
|-------------------------|---|-----------------------|----------------|
| Touch / Glass | Resistive Touch Screen Bonding With Panel (Explosion-Proof) | Resolution | 1024x768 |
| Size | 15.0 inches | Contrast Ratio | 2000:1 |
| Panel Brightness | 550 nits 1000 nits(Optional) | Display Color | 16.2M Colors |
| View Angles | 88,88,88,88 | Active Area | 304.1x228.1 mm |

Mechanical

| | | | |
|-----------------------|-------------------|------------------|-------------------|
| Dimension | 396 x 310 x 49 mm | Weight | 5.7 kg |
| Mounting | VESA Mount | Enclosure | Stainless Housing |
| Cooling System | Fanless design | Cut out | 365 x 270 mm |

Environment

| | | | |
|----------------------------|--|------------------------------|--|
| Operating Humidity | 10% to 95% RH, Non-Condensing | Operating Temperature | -20°C to 60°C |
| Storage Temperature | -30°C to 70°C | Shock | MIL-STD-810G Method 516.6 Procedure I (Optional) |
| Vibration | MIL-STD-810G Method 514.6 Procedure I | IP rating | IP65 |
| Drop | MIL-STD-810G Method 516.6 Procedure IV | | |

Certification

| | |
|----------------------|---|
| Certification | CE, FCC UL 60950-1 CAN/CSA C22.2 No. 60950-1-07 EN 62368-1 Class I, Div.2, Groups A,B,C,D T4 -20 ≤ Tamb ≤ 50 Meet Standards ANSI/ISA-12.12.01-2012 CSA/CSA C22.2 No. 213-M1987 ATEX II 3G Ex ic nA IIC T4 Gc -20 ≤ Tamb ≤ 50 Meet Standards EN 60079-0, EN 60079-11, EN 60079-15 IECEx Ex nA IIC T4 Gc -20 ≤ Tamb ≤ 50 Meet Standards IEC 60079-0, IEC 60079-15 |
|----------------------|---|

IO Ports

| | | | |
|--------------------|--|-----------------|---------------------------------------|
| Power Input | 1 x 9~36V DC, M12 Type connector | USB Port | 1x M12 type connector for Touchscreen |
| Serial Port | 1 x M12 type connector for RS232 remote control | Video | 1x M12 type connector for VGA input |
| Indicator | 1 x LED Indicator for power 1 x LED Indicator for standby | | |

Control

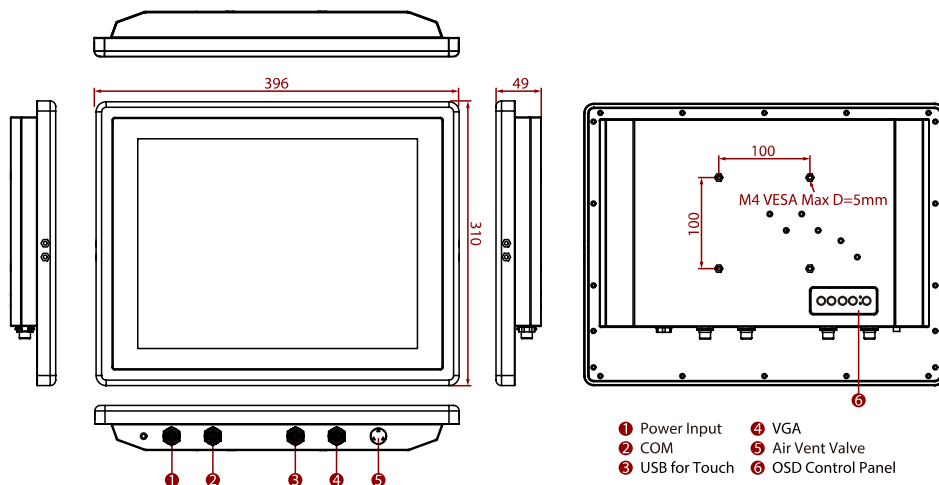
| | |
|---------------|--|
| Button | 1 x Power Button 1 x Adjust up button 1 x Adjust down button |
|---------------|--|

1 x ESC (Auto) button
1 x OK (Menu) button

Accessory

Accessory
100~240V AC to DC Power Adapter with M12 Connector
Power Cord
M12 Type Power Cable
M12 Type RS232 Male Cable for remote control
M12 Type USB Male Cable for Touch
M12 Type VGA Cable
Manual
VESA screws

DIMENSIONS UNIT:MM



NOTE

1. Total usable memory will be less depending upon actual system configuration
2. Length measurements do not include protrusions. Weight varies with options.
3. Accessories and integrated options may vary depending on your configuration
4. This is a simplified drawing and some components are not marked in detail.
5. All specifications are subject to change without prior notice.
6. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.