

R15ID3S-65EX, 15-inch HazLoc Stainless Panel PC

A Panel PC that Works in Hazardous Locations and Withstands Harsh Environments

R15ID3S-65EX is a panel mount stainless panel PC 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.

The processing power comes from Intel's atom N2600 processor paired with genuine Intel graphics for high performance. The panel PC features a flat panel with explosion-proof ELO 5 wire resistive touch and offers 1024 x 768 pixel resolution. Certified for use in Class 1, Division 2 & ATEX Zone 2 locations R15ID3S-65EX device delivers processing power in rugged housing.



Highlights

- Class 1, Division 2 & ATEX Zone 2 device certified for hazardous area application
- Atom N2600 Processor
- 15" 1024 x 768, 550 nits (Optional 1000 nits) LCD Panel
- Fanless, streamlined enclosure for highly efficient heat dissipation
- Explosion-proof 5 wire resistive touch
- Stainless housing
- Rated for wide temperature use -20°C to 50°C

Order Information

R15ID3S-65EX	Basic
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Display Specification

Size	15-inch LCD display
Resolution	1024 x 768
Brightness	550 nit, Optional 1000 nit
Touch	5 wire resistive touch (Explosion-proof)
Contrast Ratio	700:1
Viewing Angle	80/80/70/70
Technology	Intel® HD graphics (built-in CPU) video controller

System Specification

Processor	Intel® Atom N2600 Processor 1M Cache, 1.6 GHz
BIOS	AMI BIOS
System Chipset	Intel NM10
System Memory	4GB DDR3 SO-DIMM 1333 MHz ¹
Storage	64GB mSATA SSD Optional 32GB, 64GB and 128GB
Operating System	Windows 7 Pro for Embedded System Windows Embedded Standard 7

Interface

Serial Interface	1 x M12 Type RS232 (Optional RS422/RS485)
LAN	1 x M12 Type RJ45 LAN
USB	1 x M21 Type USB Type-A Receptacle
Power Input	1 x M21 Type DC power input connector

Keyboard and Input

Touch	• 5-Wire Resistive touch
Button	• Button 1 x power, 1 x reset
LED Indicators	Power, Storage

Mechanical and Environment

Dimension (W x L x H)	396 x 310 x 49 mm (15.59 x 12.20 x 1.93 inches) ²
Gross Weight	11 kg (24.25 lbs) ²
Net Weight	11.5 kg (25.35 lbs) ²
Mounting	VESA 100 x 100
Cooling System	Fanless
Operating Temperature	-20° to 50°C (-4° to 122° F)
Humidity	10% to 95% RH, non-condensing
Ordinary Location Safety	UL60950-1, CSA C22.2 No. 60950-1-07, EN60950-1, IEC60950-1
Hazardous Location Safety	ATEX Zone 2 EX II 3 G Ex ic nA IIC Gc UL Class I, Div.2, Groups ABCD T4 ANSI/ISA12.12.01 CAN/CSA C22.2 No. 213-M1987
Shock	MIL-STD-810F/G Method 516.6
Drop	MIL-STD-810F/G Method 516.6
Vibration	MIL-STD-810F/G Method 514.6
IP Proof	IP65 certified, dustproof and waterproof
EMC	CE, FCC, CSA, UL60950-1

Power Management

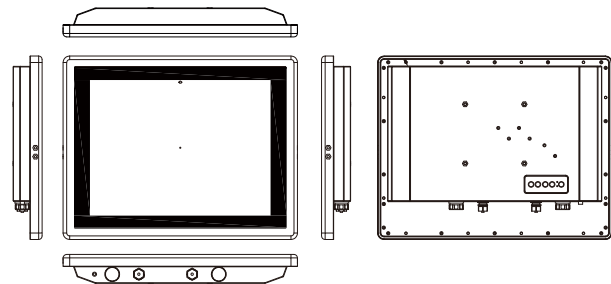
Power Input	9-36V DC with isolation protection
Power Consumption	20W (typ.) ³
Adapter	12V / 48W AC to DC Adapter

Accessories

Standard Accessories

Power Cord	Varies by product destination	
Power Cable (rated IP65)		
Power Adapter to IP65 Connector	90PO12080003	
RS232 Male Cable (M12 rated IP65)	94G0123090Q0	
2 x USB2.0 Female Cable (rated IP65)	9480128040K0	
RJ45 Cable (M12 rated IP65)	94I0120080K0	
Ethernet Extension Adapter	60LOA8400000	
USB Adapter (USB type A to type B)	60A028010000	
VESA Mounting Screws	913511101101	
User Manual	915215011003	
Recovery DVD		

Drawing ⁵



Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near Fire, in Direct Sunlight for example)
Do not expose bare skin to this product when handling this unit in extreme hot or cold environments

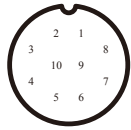
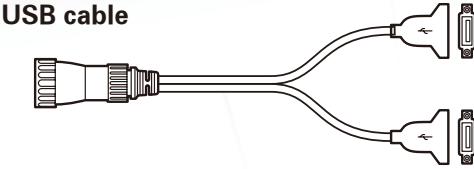
1. Total usable memory will be less depending upon actual system configuration
2. Length measurements do not include protrusions. Weight varies with options.
3. Measured at maximum backlight and high CPU load.
4. Accessories and Integrated Options may vary depending on your configuration
5. This is a simplified drawing and some components are not marked in detail.

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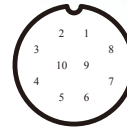
Accessories Cables Pin assignments

USB cable



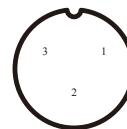
Pin No.	Symbols	Color
CN1-1	VCC	RED
CN1-2	VCC	RED
CN1-3	D-	WHITE
CN1-4	D-	WHITE
CN1-5	D+	GREEN
CN1-6	D+	GREEN
CN1-7	GND	BLACK
CN1-8	GND	BLACK
CN1-9	Braid	

Ethernet (LAN) cable



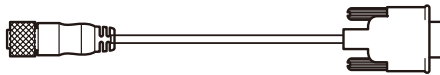
Pin No.	Color
CN2-1	White/Orange
CN2-2	Orange
CN2-3	White/Green
CN2-4	Blue
CN2-5	White/Blue
CN2-6	Green
CN2-7	White/Brown
CN2-8	Brown

Power adapter



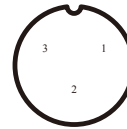
Pin No.	Symbols	Color
CN2-1	VCC	Follow Adapter
CN2-2	GND	Follow Adapter
CN2-3	GND	Follow Adapter

RS-232 cable



Pin No.	Symbols	Color
CN2-1	DCD-CON2	Green
CN2-2	DSR-CON2	Brown
CN2-3	RXD-CON2	Red
CN2-4	RTS-CON2	Orange
CN2-5	TXD-CON2	Blue
CN2-6	CTS-CON2	White
CN2-7	DTR-CON2	Purple
CN2-8	RI-CON2	Yellow
CN2-9	GND-CON2	Black

DC power cable open wire



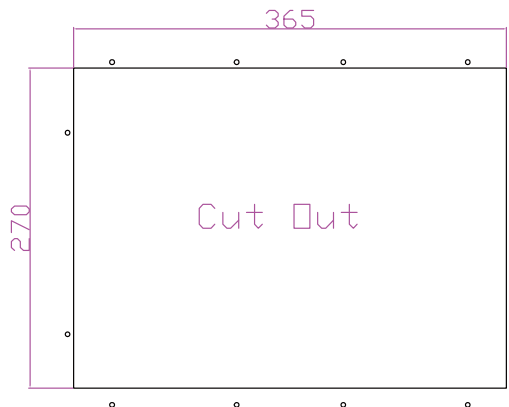
Pin No.	Symbols	Color
CN2-1	VCC	Red
CN2-2	Shield	
CN2-3	GND	Black



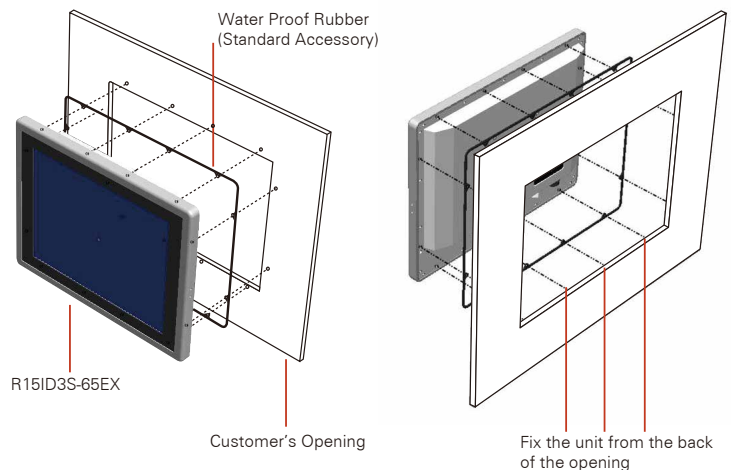
Ensure that the external power source is OFF before connecting or disconnecting the DC in jack.

Mounting Instruction

Customer's Cutout



Mount the Unit to the Enclosure



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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