# F65EAC-IT32

## Full IP65 Rugged Embedded PC with M12 Connector, Intel® Core™ i5-1135G7



#### **KEY FEATURES**

- Full IP65 rugged embedded pc, aluminum profile with fin
- Ultra compact size with fanless design, box PC with M12 connector
- Support M.2 SSD
- One M.2 socket expansion
- 9~36V DC with isolation
- 11th Generation (Tiger Lake) Intel® Core™ i5-1135G7 Processor
- M12 waterproof connector



### **SPECIFICATIONS**

**System Specification** 

WLAN         Support (Optional)         BT         Support (Optional)           Processor         Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)         Memory         1 x SCD-DIMM, DDRA 300 MHz, 4GB alga (Optional) alg	cycless speemeat			
Storage   1 x M.2 M.Key 2280 NVMe SSD, 128GB 256GB (Optional) 32GB (Optional) 31CB (Optional) 4TB (Option	WLAN	Support (Optional)	ВТ	Support (Optional)
Security   TPM 2.0   Operating System   Windows 11 IoT Enterprise (64 bit) (Optional) arts (Optional) windows 11 IoT Enterprise (64 bit) (Optional) windows 10 IoT Enterprise (64 bit) (Optional) windows 10 IoT Enterprise (64 bit) (Optional) windows 10 IoT Enterprise (64 bit) (Optional) windows 11 IoT Enterprise (64 bit) (Optional) in the prise of Enterprise (12 IoT Enterprise (13 IoT Enterprise (14 IoT Enterprise (14 IoT Enterprise (14 IoT E	Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)	Memory	8GB (Optional) 16GB (Optional)
Mechanical  Dimension 260.4 x 193 x 50.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/i desk mount bracket) 275.4 x 193 x	Storage	256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Dimension 260.4 x 193 x 50.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/o desk mount bracket) 275.4 x 193 x 56.1 mm(w/o desk mount bracket) 275.4 x 193 x 19	Security	TPM 2.0	Operating System	Windows 11 Pro 64 bit (Optional) Windows 10 IoT Enterprise (64 bit) (Optional)
Mounting Desk Mount Enclosure Aluminum Housing  Cooling System Fanless design  Environment  Operating Humidity 10% to 90% RH, Non-Condensing Operating Temperature  Storage -20°C to 60°C Shock 15G, 11ms duration  Temperature  Vibration 5Hz~500Hz / 1Grms / 3 axis IP rating IP65  Certification  Certification CE, FCC  IO Ports  Power Input 1 x M12 waterproof connector for 9~36V DC USB Port 1 x M12 waterproof USB Type-A Connector with covers of the power of the	Mechanical			
Cooling System       Fanless design         Environment       Operating Temperature         Operating Humidity       10% to 90% RH, Non-Condensing       Operating Temperature       0°C to 50°C         Storage Temperature       -20°C to 60°C       Shock       15G, 11ms duration         Certification         Certification         Certification         CE, FCC         IO Ports         Power Input       1 x M12 waterproof connector for 9~36V DC       USB Port       1 x M12 waterproof connector for 2 x USB2.0 1 x Waterproof USB Type-A Connector with covered at the connector of the conne	Dimension		Weight	3.0 kg
Comparing Humidity   10% to 90% RH, Non-Condensing   Comparing Temperature   Condensing   Cond	Mounting	Desk Mount	Enclosure	Aluminum Housing
Operating Humidity 10% to 90% RH, Non-Condensing	Cooling System	Fanless design		
Storage	Environment			
Vibration 5Hz~500Hz / 1Grms / 3 axis IP rating IP65  Certification  Certification CE, FCC  IO Ports  Power Input 1 x M12 waterproof connector for 9~36V DC USB Port 1 x M12 waterproof connector for 2 x USB2.0 1 x Waterproof USB Type-A Connector with covers Serial Port 1 x M12 waterproof connector for RS232 2 x M12 waterproof connector for RS232 (Optional)  Video 1 x M21 type connector for HDMI output	Operating Humidity	10% to 90% RH, Non-Condensing		0°C to 50°C
Certification  CE, FCC  IO Ports  Power Input  1 x M12 waterproof connector for 9~36V DC  USB Port  1 x M12 waterproof connector for 2 x USB2.0 1 x Waterproof USB Type-A Connector with covers and the connector for RS232 2 x M12 waterproof connector for RS232 (Optional)  Video  1 x M21 type connector for HDMI output		-20°C to 60°C	Shock	15G, 11ms duration
Certification CE, FCC  IO Ports  Power Input 1 x M12 waterproof connector for 9~36V DC USB Port 1 x M12 waterproof connector for 2 x USB2.0 1 x Waterproof USB Type-A Connector with covered Serial Port 1 x M12 waterproof connector for RS232 Video 1 x M21 type connector for HDMI output 2 x M12 waterproof connector for RS232 (Optional)	Vibration	5Hz~500Hz / 1Grms / 3 axis	IP rating	IP65
Power Input  1 x M12 waterproof connector for 9~36V DC  USB Port  1 x M12 waterproof connector for 2 x USB2.0 1 x Waterproof USB Type-A Connector with covered at the connector for RS232 2 x M12 waterproof connector for RS232 (Optional)  Video  1 x M21 type connector for HDMI output	Certification			
Power Input  1 x M12 waterproof connector for 9~36V DC  USB Port  1 x M12 waterproof connector for 2 x USB2.0 1 x Waterproof USB Type-A Connector with covered at the connector for RS232 2 x M12 waterproof connector for RS232 (Optional)  Video  1 x M12 waterproof connector for HDMI output 2 x M12 waterproof connector for RS232 (Optional)	Certification	CE, FCC		
Serial Port 1 x M12 waterproof connector for RS232 Video 1x M21 type connector for HDMI output 2 x M12 waterproof connector for RS232 (Optional)	IO Ports			
2 x M12 waterproof connector for RS232 (Optional)	Power Input	1 x M12 waterproof connector for 9~36V DC	USB Port	1 x M12 waterproof connector for 2 x USB2.0 1 x Waterproof USB Type-A Connector with cove
Expansion Port 2 x M.2 slot(1 for WiFi, 1 for SSD) LAN 2 x M12 type connector for Giga LAN	Serial Port	2 x M12 waterproof connector for RS232	Video	1x M21 type connector for HDMI output
	Expansion Port	2 x M.2 slot(1 for WiFi, 1 for SSD)	LAN	2 x M12 type connector for Giga LAN

1 x LED Indicator for storage 2 x LED Indicator for LAN

DIDO

1x M12 type connector for Digital 4 in/ 4 out (Optional)

Control

**Button** 1 x Power Button with LED Indicator

**Accessory** 

**Accessory** External open wire Power cable with waterproof

connector

External USB cable with waterproof connector External HDMI cable with waterproof connector External COM cable with waterproof connector External LAN cable with waterproof connector External VGA cable with waterproof connector

Waterproof caps

RJ45 female-female converter

Optional Accessory 100~240V AC to DC Adapter with waterproof connector (Optional)

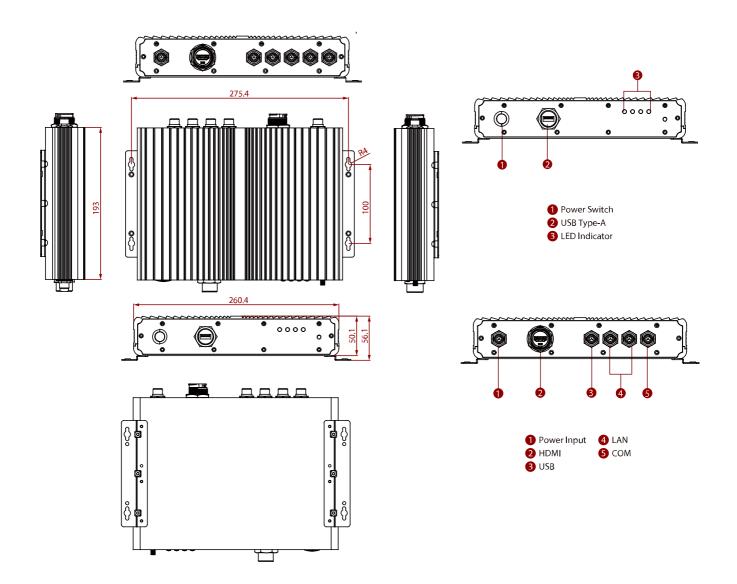
Power Cord (Optional)

External DIDO cable with waterproof connector

(Optional)

**DIMENSIONS** 

UNIT:MM



#### NOTE

- 1. This is a simplified drawing and some components are not marked in detail.
- 2. Please contact our sales representative if you need further product information.
- 3. A customized housing is required if you need additional I/O connectors.
- 4. To connect Winmate stainless series Panel PC or Display it is required to use an optional two sides waterproof connector.
- 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.