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
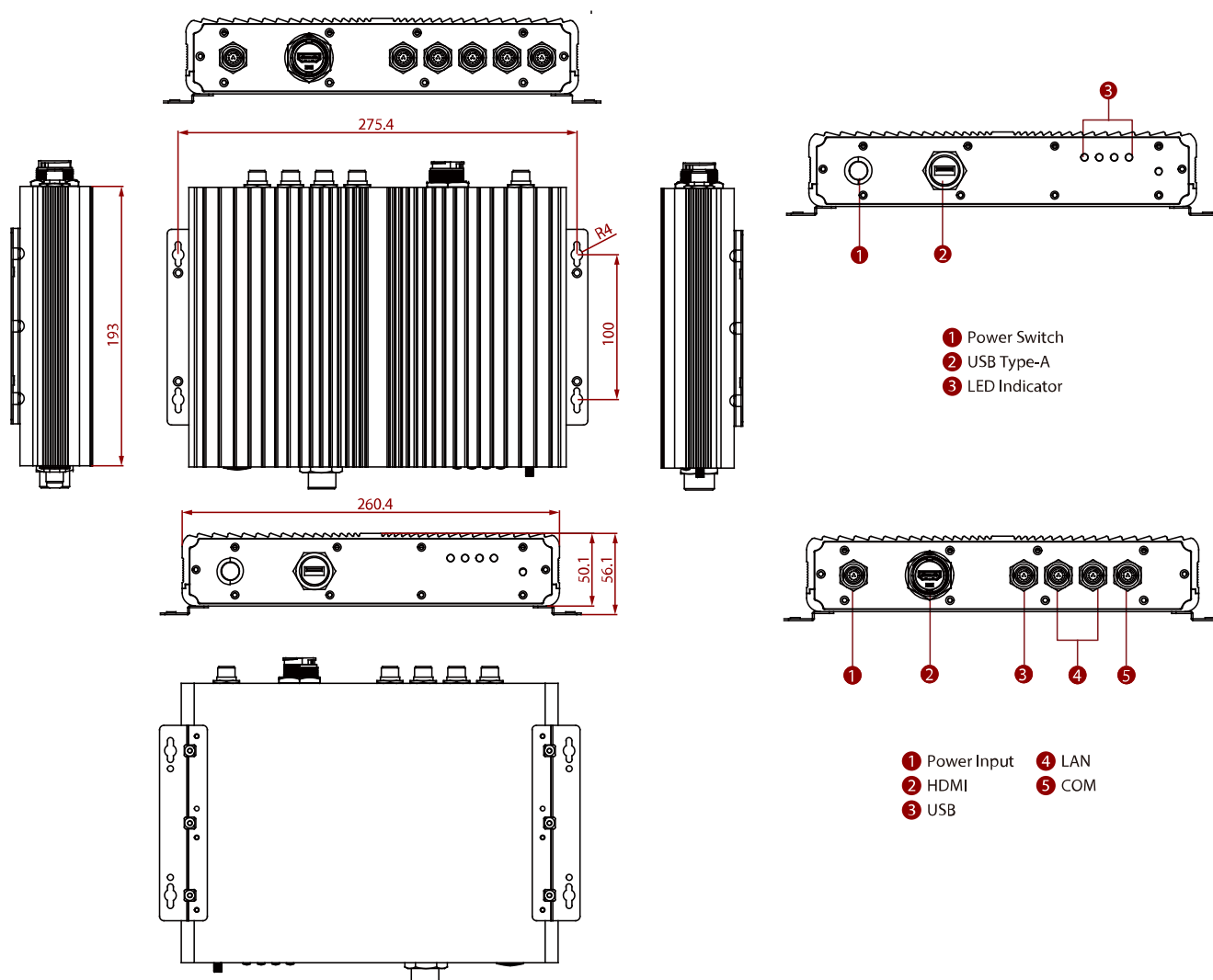- M12 waterproof connector

CE FC

SPECIFICATIONS

System Specification

WLAN	Support (Optional)	**BT**	Support (Optional)
Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)	**Memory**	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 M-Key 2242 SATA SSD or 1 x M.2 M-Key 2280 NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB(for NVMe) (Optional) 2TB(for NVMe) (Optional) 4TB(for NVMe) (Optional)	**Ethernet controller**	2 x Intel® Ethernet Controller
Security	TPM 2.0	**Operating System**	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 22.04 (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)	**Mounting**	Desk Mount
Enclosure	Aluminum Housing	**Cooling System**	Fanless design

Environment

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
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 cover
Serial Port	1 x M12 waterproof connector for RS232 2 x M12 waterproof connector for RS232 (Optional)	**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

Indicator	1 x LED Indicator for power 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

1 Power Switch
2 USB Type-A
3 LED Indicator

1 Power Input **4** LAN
2 HDMI **5** COM
3 USB

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.