

# Full IP65 EAC BOX PC

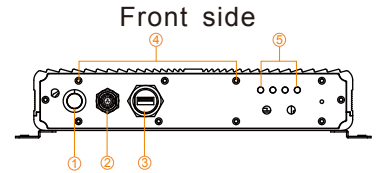
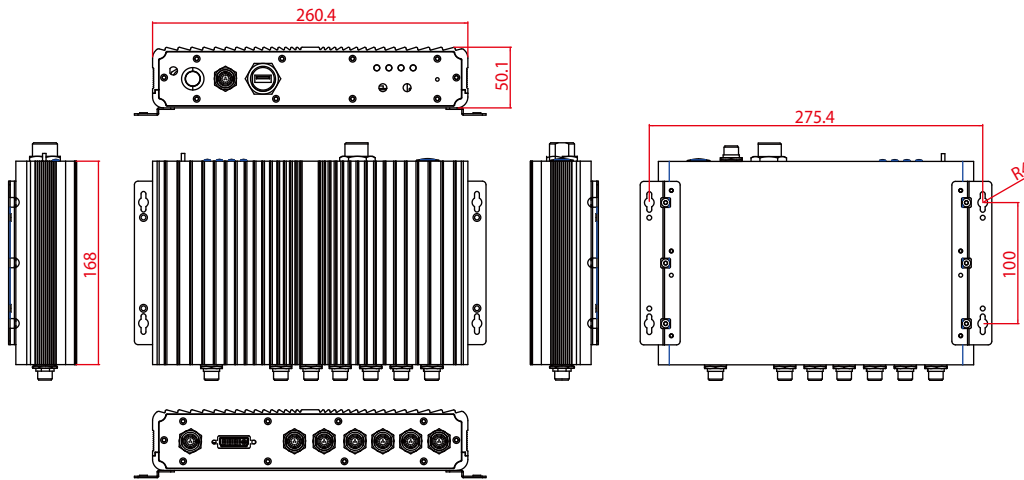
Full IP65 / NEMA4 BOX PC

F65EAC-IV32

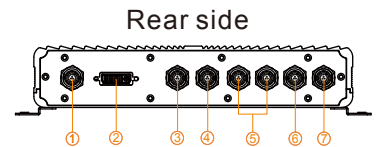


## Features:

- Intel® Core i7-3517UE 1.7GHz
- Intel® Express Chipset HM76
- Aluminum Profile with Fin
- Ultra compact size with Fanless Design
- Support mSATA SSD and micro SD card
- One mini-PCIe socket expansion
- 9~36V DC with isolation



1. Power Button
2. GPIO (Optional)
3. USB 2.0 TypeA-Female
4. Antenna (Optional)
5. LED Indicators (Power/HDD/LAN)



1. Power
2. DVI(Optional)
3. VGA
4. USB
5. LAN x 2
6. COM
7. COM(Optional)

## Optional

- Antenna
- GPIO
- 1 x COM
- SIM/micro SD Card Socket
- Line-in
- Line-out
- DVI

\* Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

## System Specification

<b>Processor</b>	: Intel® Core i7-3517UE Processor (4M Cache, 1.7 GHz) 17W
<b>BIOS</b>	: AMI 16Mbit Flash
<b>System Chipset</b>	: Intel® Express Chipset HM76
<b>System Memory</b>	: 1x SO-DIMM DDR3L 1600, max. 8GB
<b>Ethernet Controller</b>	: Intel 82579-LM PHY + IntelWG82574L GbE
<b>Expansion Slot</b>	: 1 x Mini PCIe slot (for 3G or WiFi module)
<b>Watchdog timer</b>	: 256 Levels

## I/O Connectors

<b>Front Side I/O</b>	: 1 x Power Button 1 x USB2.0 TypeA-Female 1 x micro SD card socket (Optional) 1 x SIM card socket (Optional) 1 x 8 Channels GPIO (Optional) 1 x Line-in / Line-out (Optional)
<b>Back Side I/O</b>	: 1 x Power Input (9~36V DC) 2 x USB2.0 1 x RS232 2 x LAN 1 x DVI (Optional) 1 x VGA 1 x RS232 (Optional)

## Environment Considerations

<b>Operating Temperature</b>	: 0°C to 50°C -20 to 60 deg.C (By Request)
<b>Operating Humidity</b>	: 5% to 95% (non condensing)
<b>Anti-Vibration</b>	: 5Hz~500Hz / 1 Grms/3 Axis
<b>Anti Shock</b>	: 15G, 11ms duration

## Ordering Information (Default)

<b>Storage</b>	: 32GB mSATA SSD MLC (Default)
<b>Memory</b>	: 2GB SO-DIMM DDR3L 1600(Default)
<b>OS Support</b>	: Win 10 IoT / Windows 8/ Windows 7 / XP Embedded
<b>Power Input</b>	: 9~36V DC with isolation

## Mechanical and Power

<b>Dimensions (L x W x H)</b>	: 260.4mm x 168mm x 50mm
<b>Construction</b>	: Aluminum housing
<b>Power Input</b>	: 9~36V DC with isolation
<b>Mounting</b>	: Wall-mount / Desktop

Note: All Specifications are subject to change without prior notice!  
Optional two sides waterproof connector for needing to connect Winmate stainless series Panel PC or Display

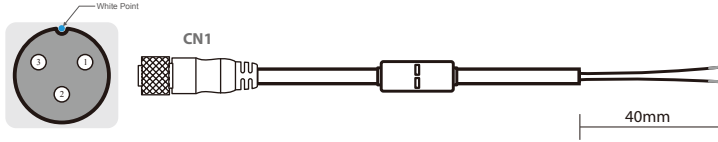
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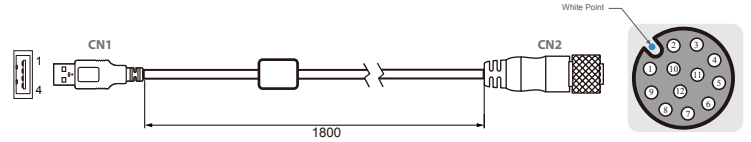
## Standard

### DC Power Cable



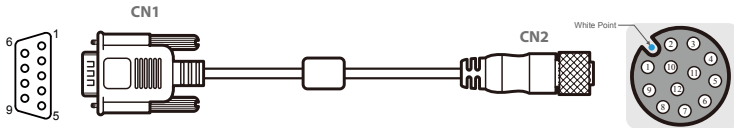
Pin No.	Symbols	Color	↔	Pin No.	Symbols	Color
CN1-1	VCC	Red	↔	Open	VCC	Red
CN1-3	GND	Black	↔	Open	GND	Black
CN1-2	Shield				Shield	

### USB Cable



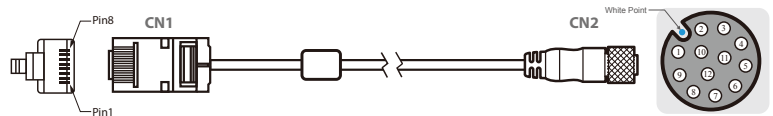
Pin No.	Symbols	Color	↔	Pin No.	Symbols	Color
CN1-2	VCC	Red	↔	CN2-1	VCC	Red
CN1-3	D-	White	↔	CN2-2	D-	White
CN1-4	D+	Green	↔	CN2-3	D+	Green
CN1-5	GND	Black	↔	CN2-4	GND	Black
CN1-9	GND	Black	↔	CN2 Shield	Black	

### Serial Cable



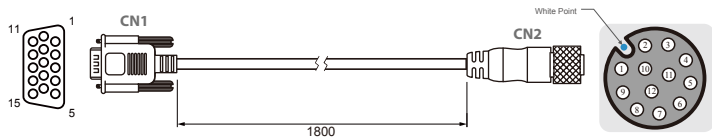
Pin No.	Symbols	Color	↔	Pin No.	Symbols	Color
CN1-1	DCD-CON2	Green	↔	CN2-1	DCD-CON2	Green
CN1-6	DSR-CON2	Brown	↔	CN2-2	DSR-CON2	Brown
CN1-2	RXD-CON2	Red	↔	CN2-3	RXD-CON2	Red
CN1-7	RTS-CON2	Orange	↔	CN2-4	RTS-CON2	Orange
CN1-3	TXD-CON2	Blue	↔	CN2-5	TXD-CON2	Blue
CN1-8	CTS-CON2	White	↔	CN2-6	CTS-CON2	White
CN1-4	DTR-CON2	Purple	↔	CN2-7	DTR-CON2	Purple
CN1-9	RI-CON2	Yellow	↔	CN2-8	RI-CON2	Yellow
CN1-5	GND-CON2	Black	↔	CN2-9	GND-CON2	Black

### LAN Cable



Pin No.	Symbols	Color	↔	Pin No.	Symbols	Color
CN1-1		white/orange	↔	CN2-1		white/orange
CN1-2		orange	↔	CN2-2		orange
CN1-3		white/green	↔	CN2-3		white/green
CN1-4		blue	↔	CN2-4		blue
CN1-5		white/blue	↔	CN2-5		white/blue
CN1-6		green	↔	CN2-6		green
CN1-7		white/brown	↔	CN2-7		white/brown
CN1-8		brown	↔	CN2-8		brown
CN1-9	NC		↔			
CN1-10	NC		↔			

### VGA Cable



Pin No.	Symbols	Color	↔	Pin No.	Symbols	Color
CN1-1	R	Red	↔	CN2-1	R	Red
CN1-6	R-GND	Black	↔	CN2-2	R-GND	Black
CN1-2	G	Green	↔	CN2-3	G	Green
CN1-7	G-GND	Black	↔	CN2-4	G-GND	Black
CN1-3	B	Blue	↔	CN2-5	B	Blue
CN1-8	B-GND	Black	↔	CN2-6	B-GND	Black
CN1-12	SDA	Yellow	↔	CN2-7	SDA	Yellow
CN1-13	HS	Orange	↔	CN2-8	HS	Orange
CN1-14	VS	White	↔	CN2-9	VS	White
CN1-15	SCL	Brown	↔	CN2-10	SCL	Brown

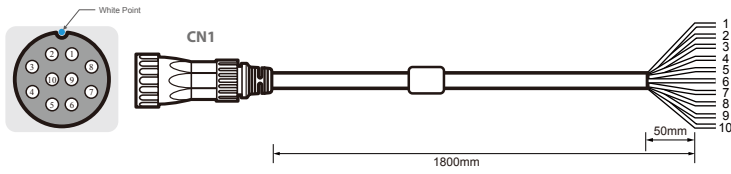
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## Optional

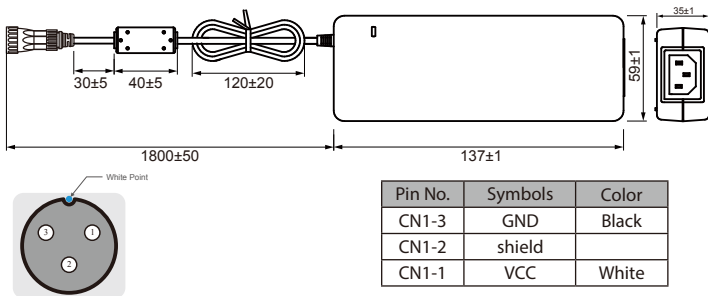
### GPIO Cable



Pin No.	Symbols	Color
CN1-1	GDN	Black
CN1-2	5V	Brown
CN1-3	OUT3	Red
CN1-4	OUT1	Orange
CN1-5	OUT2	Yellow
CN1-6	OUT0	Green
CN1-7	INT3	Blue
CN1-8	INT1	Purple
CN1-9	INT2	Gray
CN1-10	INT0	White

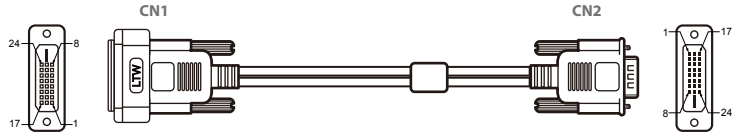
Pin No.	Symbols	Color
CN2-1	GDN	Black
CN2-2	5V	Brown
CN2-3	OUT3	Red
CN2-4	OUT1	Orange
CN2-5	OUT2	Yellow
CN2-6	OUT0	Green
CN2-7	INT3	Blue
CN2-8	INT1	Purple
CN2-9	INT2	Gray
CN2-10	INT0	White

### Power Cable with Adaptor



Pin No.	Symbols	Color
CN1-3	GND	Black
CN1-2	shield	
CN1-1	VCC	White

### DVI Cable



CN1			CN2	
Pin No.	Symbol		Pin No.	Symbol
CN1-1	TMDS Data2-	↔	CN2-1	TMDS Data2-
CN1-2	TMDS Data2+	↔	CN2-2	TMDS Data2+
CN1-3	TMDS Data2 Shield	↔	CN2-3	TMDS Data2 Shield
CN1-4	NC		CN2-4	NC
CN1-5	NC		CN2-5	NC
CN1-6	DDC Clock	↔	CN2-6	DDC Clock
CN1-7	DDC Data	↔	CN2-7	DDC Data
CN1-8	NC		CN2-8	NC
CN1-9	TMDS Data 1-	↔	CN2-9	TMDS Data 1-
CN1-10	TMDS Data 1+	↔	CN2-10	TMDS Data 1+
CN1-11	TMDS Data 1 Shield	↔	CN2-11	TMDS Data 1 Shield
CN1-12	NC		CN2-12	NC
CN1-13	NC		CN2-13	NC
CN1-14	+5V Power	↔	CN2-14	+5V Power
CN1-15	Ground	↔	CN2-15	Ground
CN1-16	Hot Plug Detect	↔	CN2-16	Hot Plug Detect
CN1-17	TMDS Data 0-	↔	CN2-17	TMDS Data 0-
CN1-18	TMDS Data 0+	↔	CN2-18	TMDS Data 0+
CN1-19	TMDS Data 0 Shield	↔	CN2-19	TMDS Data 0 Shield
CN1-20	NC		CN2-20	NC
CN1-21	NC		CN2-21	NC
CN1-22	TMDS Data Clock Shield	↔	CN2-22	TMDS Data Clock Shield
CN1-23	TMDS Clock+	↔	CN2-23	TMDS Clock+
CN1-24	TMDS Clock-	↔	CN2-24	TMDS Clock-