

19" Fanless Full IP65/NEMA 4X Panel PC (Intel® Atom N270 Platform)

Stainless Chassis

MODEL #: R19IA3S-65M1

Mechanical Design

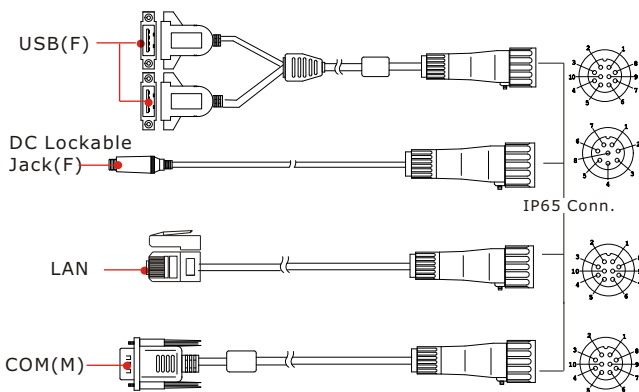
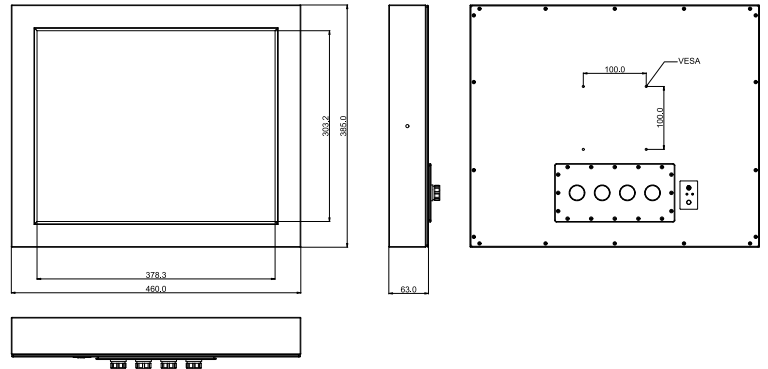
Available in Feb.



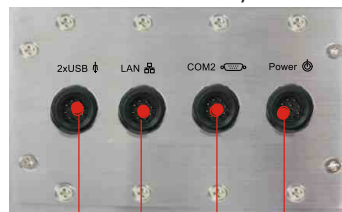
Standard: brushed stainless



Optional: black, high polish, varnished coating



IP65 connector / cable



2 x USB LAN COM2 Power

cable type	Pin Define Table			
	10pin conn.		D-Sub 9Pin	
RS232	Pin No.	Symbols	Pin No.	Symbols
	1	DCD-CON2	1	DCD-CON2
	2	DSR-CON2	6	DSR-CON2
	3	RXD-CON2	2	RXD-CON2
	4	RTS-CON2	7	RTS-CON2
	5	TXD-CON2	3	TXD-CON2
	6	CTS-CON2	8	CTS-CON2
	7	DTR-CON2	4	DTR-CON2
	8	RI-CON2	5	RI-CON2
	9	GND-CON2	5	GND-CON2
10	NC	10	NC	

cable type	Pin Define Table			
	8pin conn.		DS-026 DC Jack	
POWER	Pin No.	Symbols	Pin No.	Symbols
	1	VCC	1	VCC
	2	VCC	1	VCC
	3	GND	2	GND
	4	GND	2	GND
	5N	C		
	6N	C		
	7	GND	2	GND
8	GND	2	GND	

cable type	Pin Define Table					
	10pin conn.		A Type Female		A Type Female	
USB	Pin No.	Symbols	Pin No.	Symbols	Pin No.	Symbols
	1	VCC	1	VCC		
	3D	-	2	D-		
	5D	+	3	D+		
	7	GND	4	GND		
	9N	C				
	2	VCC			1	VCC
	4D	-			2	D-
	6D	+			3	D+
	8	GND			4	GND
10	NC					

cable type	Pin Define Table			
	10pin conn.		US PLUG 8P8C 3U*	
LAN	Pin No.	Symbols	Pin No.	Symbols
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	6		6	
	7		7	
	8		8	
	9	NC	9	NC
10	NC	10	NC	

* 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 Specifications

TFT Characteristics :

- Resolutions : 1280x1024
- Brightness : 300cd/m² (typ.)
- Contrast Ratio : 800 : 1 (typ.)
- Viewing Angles : -80~80(H); -80~80(V)
- Max Colors : 16.7M

SBC Specifications :

- Processor : Intel Atom N270 1.6 GHz
- BIOS : Award 4Mbit Flash
- System Chipset : IntelR 945GSE / ICH7M
- Memory Slot : 1 x SO-DIMM, Max 2GB DDR2 400/533
- Graphic Chipset : Intel 945GSE Integrated (224MB shared)
- IDE : 1 x 44pin IDE (UDMA 33/66/100)
- KB/Mouse : 1 x PS/2
- Ethernet : 1 x RJ45(Gigabit LAN)
- Audio : Built in AC97 codec
- USB : 6 x USB2.0 (4 x USB internal)
- Serial : 2 x RS232 (1 x RS232 internal)
- Expansion Slot : 1 x Mini PCI (internal)
- SSD Interface : 1 x Type I/II CF socket (Internal)
- Power Input : DC-IN (Lockable, Power Jack)
- Certification : CE, FCC, RoHS

* A customized housing is needed if you would like to have the PCI expansion.

Power Specifications :

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 65W (typ.)(Max.backlight & high CPU load)

Accessories :

- External Power Supply 90W w/power cord

Environment Considerations :

- Operating Temperature : 0 deg.C to 45deg.C
- Operating Humidity : 30% to 90% (non condensing)

Input/ Output Connectors :

- Ethernet LAN : 1 X RJ45-10/100/1000 Mbps
- COM : 1 X RS232
- USB : 2 x USB Type-A Receptacle
- Power : 1 X 12VDC

Order Options :

SBC	PANEL PC
RAM : 512 MB DDR2(Optional) 1 GB DDR2(Optional)	Mechanical : Stainless Chassis
Storage : 2.5"80 GB HDD* 1 GB Compact Flash(Optional)	Touch : 5 Wires Resistive(Optional)
* Default	OS : Windows XPE(Optional) Windows XP (Optional) Linux(Optional)

Rev.	Reasons	Revised Date
1.0	New Add	Jun-14-09
1.1	Model name	Feb-18-09

