

# 15" Fanless Full IP65/NEMA4 Panel PC (AMD Geode LX-800 500MHz CPU)

MODEL #: R15A83S-65C3

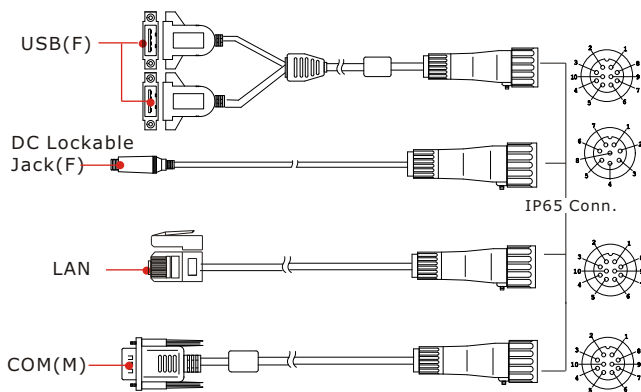
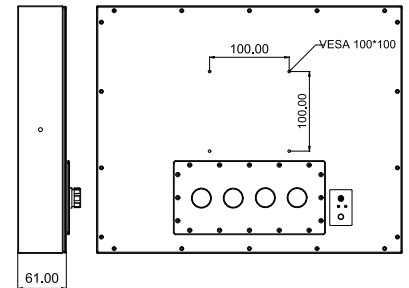
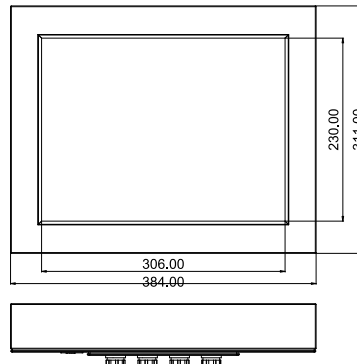
## Mechanical Design



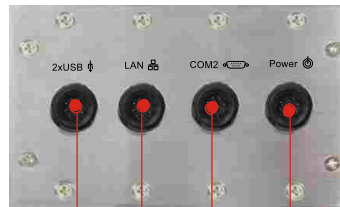
Standard:  
brushed stainless



Optional:  
black, high polish,  
varnished coating



### IP65 connector / cable



2 x USB LAN COM2 Power

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

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

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

Pin Define Table			
cable type	10pin conn.	US PLUG 8P8C 3U*	
LAN	Pin No. 1		Pin No. 1
	Pin No. 2		Pin No. 2
	Pin No. 3		Pin No. 3
	Pin No. 4		Pin No. 4
	Pin No. 5		Pin No. 5
	Pin No. 6		Pin No. 6
	Pin No. 7		Pin No. 7
	Pin No. 8		Pin No. 8
	Pin No. 9	NC	Pin No. 9 NC
	Pin No. 10	NC	Pin No. 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 : 1024 x 768
- Brightness : 250 cd/m<sup>2</sup> (typ.)
- Contrast Ratio : 700 : 1(typ.)
- Viewing Angles : -70~70(H);-65~60(V)
- Max Colors : 16.2M

### SBC Specifications :

- Processor : AMD Geode LX-800 500MHz
- BIOS : Award 4Mbit Flash
- System Chipset : AMD CS5536 Companion Device
- Memory Slot : 1 x SO-DIMM, Max 1GB DDR200/266/333
- Graphic Chipset : AMD Geode LX-800 Integrated (64MB shared)
- IDE : 1 x 44pin IDE (UDMA 33/66/100)
- KB/Mouse : 1 x PS/2
- Ethernet : 1 x RJ45(Realtek RTL8110CL 10/100Mbps)
- Audio : Built in AC97 codec
- USB : 4 x USB2.0 ( 3 x USB internal)
- Serial : 4 x RS232 ( 3 x RS232 internal)
- Expansion Slot : 1 x Mini PCI ( 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 : 30W (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 Mbps
- COM : 1 X RS232
- USB : 2 x USB Type-A Receptacle
- Power : 1 X 12VDC

### Order Options :

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

Rev.	Reasons	Revised Date
1.1	Spec Change	Dec-02-08
1.2	Drawing Change	Dec-03-08
1.3	Drawing Change	Dec-23-08

