

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

MODEL #: R17A83S-65M1

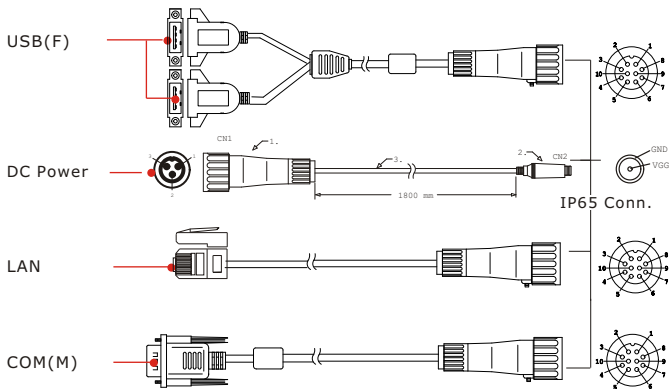
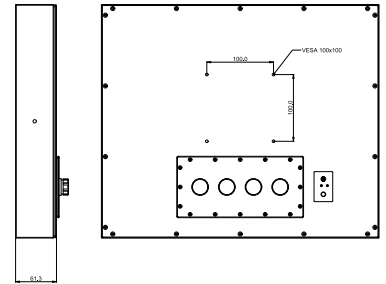
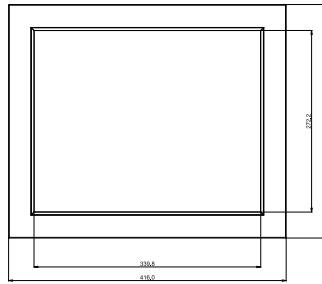
## Mechanical Design



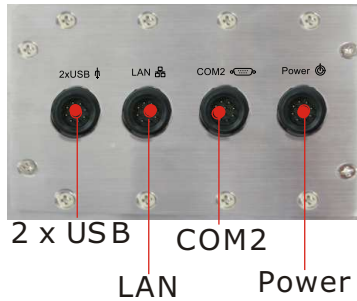
Standard:  
brushed stainless



Optional:  
black, high polish,  
varnished coating



### IP65 connector / cable



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	9	RI-CON2
	9	GND-CON2	5	GND-CON2
10	NC	10	NC	

Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	VCC	Red	CN2	VCC	Red
CN1-3	GND	Black	CN1	GND	Black
CN1-2	Shield		Shield		

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	1	VCC
	3D	-	2	D-	2	D-
	5D	+	3	D+	3	D+
	7	GND	4	GND	4	GND
	9N	C			1	VCC
	2	VCC			2	D-
	4D	-			3	D+
	6D	+			4	GND
	8	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 : 1280 x 1024
- Brightness : 300 cd/m<sup>2</sup> (typ.)
- Contrast Ratio : 800 : 1 (typ.)
- Viewing Angles : -80~80(H); -80~80(V)
- Max Colors : 16.7M

### 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 : 20W (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
<b>CPU</b> : AMD LX-800 500MHz	<b>Mechanical</b> : Stainless Chassis
<b>RAM</b> : 512 MB DDR(Optional) 1 GB DDR(Optional)	<b>Touch</b> : 5 Wires Resistive(Optional)
<b>Storage</b> : 2.5"80 GB HDD* 1 GB Compact Flash(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	Mar-05-09

