

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

MODEL #: R19A83S-65M1

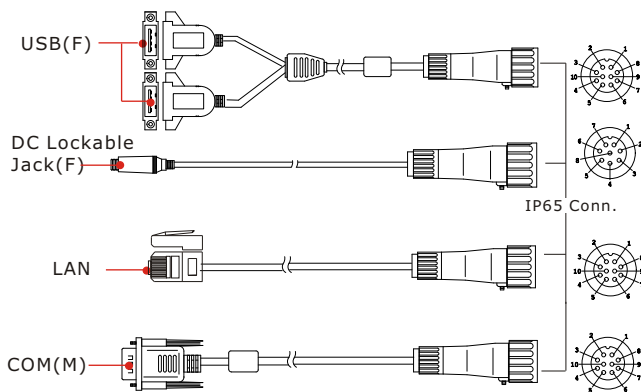
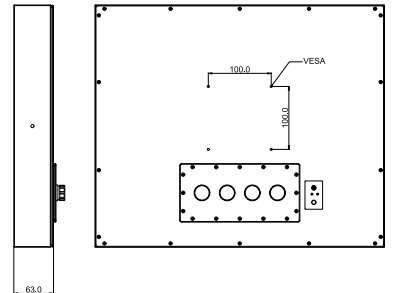
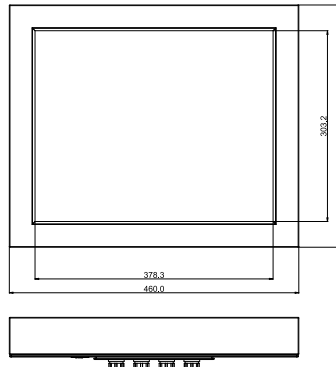
Mechanical Design



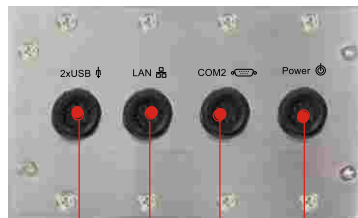
Standard:
brushed stainless



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.	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 Define Table			
cable type	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	

Pin Define Table						
cable type	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				
	2	VCC			1	VCC
	4D	-			2	D-
	6D	+			3	D+
	8	GND			4	GND
10	NC					

Pin Define Table			
cable type	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
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/m² (typ.)
- Contrast Ratio : 800 : 1 (typ.)
- Viewing Angles : -80~80(H); -80~80(V)
- Max Colors : 16.7M (8 bits/colors)

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, 1 x RS232/422/485 (internal)
2 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
CPU : AMD LX-800 500MHz	Mechanical : Stainless Chassis
RAM : 512 MB DDR(Optional) 1 GB DDR(Optional)	Touch : 5 Wires Resistive(Optional)
Storage : 2.5"80 GB HDD* 1 GB Compact Flash(Optional)	OS : Windows XPE(Optional) Windows XP (Optional) Linux(Optional)
* Default	

Rev.	Reasons	Revised Date
1.0	New Add	Dec-01-08
1.1	Spec Change	Dec-02-08
1.2	Drawing Change	Dec-03-08

