

ROC-SOLID

RUGGED OPERATIONS COMPUTER

19" Integrated Computer

This is an off-the-shelf product specifically designed and developed for industrial applications where system integrity and reliability is of paramount concern. This product offers:

- Integrated design
- Solid aluminium housing
- Lightweight
- High brightness 19" TFT display
- Touch Screen
- VESA, Panel or 19" Rack mountable options available
- Low-Power High-Performance CPU unit

These features make this product ideal for applications including, but not limited to: Factory Automation, Rail, Mining and Mineral processing, Marine, Kiosk and Military



Specifications

Display Specification:

Native Resolution	1280 x 1024
Aspect Ratio	4:3
Backlight Intensity	1000 Nits (Brightness Control at Maximum)
Pixel Pitch	0.294(H) x 0.294(V)
Contrast Ratio	750:1
Response Time	5ms (Typ)
Viewing Angle	+/-85 deg Up/Down & +/-80 deg Left/Right
Active Display Area	376.32 (H) x 301.06 (V)
Max Colours	16.7M
Touchscreen	5-Wire Resistive Touch
	Resolution 4096 x 4096, error < 1.5%

Computer Specification:

Standard

CPU/Processor	AMD G-Series T40E (2x 1.0 GHz)
Storage	1 x 60GB SSD (SATA)
Memory	4 GB DDR3 (1066/1333) SODIMM
Chipset	AMD Fusion Controller Hub (FCH) A55E
BIOS	UEFI/AMI APTIO
Ethernet	10/100 MBit Ethernet, Broadcom BCM54610
Graphics Controller	Integrated Radeon HD6250
	(DirectX® 11, PS 5.0, OpenGL 4.1, OpenCL 1.1)
	ATI Avivo HD with H.264, VC-1, Blue-ray Support
Audio Chipset	HDAudio Codec Realtek ALC886GR
Power Management	AMD PowerNow!
Monitoring	Temperature & Voltages status

Input/Output Connections:

Ethernet	1 x RJ-45
COM RS232	2 x RS-232 DB9M
USB2.0	6 x USB Type A
DC Power In	1 x 2-pin Terminal Block 5mm
DC Power out	1 x 2-pin Terminal Block 12V 1.5A 5mm
Line OUT	1 x 3.5mm mini jack
Line IN	1 x 3.5mm mini jack
Fan	1 x 2-pin Terminal Block 12V 0.5A 5mm
Power Button	1 x 2-pin Molex KK, (For NO Momentary Switch)
Power Disable	1 x 2-pin Molex KK
Power LED	1 x 2-pin Molex KK

Power Specifications:

Power Supply	Ultra Wide 9-36VDC 75W input, ACPI
Power Consumption	Operating DC: 50W (max)*
	*Max Backlight, Full CPU Load, Windows 7

User Controls:

Rear Panel Maintenance Bays:
Power On/Off & Reset, Brightness Control (-/+)
Optional leads for external Power On/Off/Reset and Power LED

Mounting Options/Specifications:

VESA Mount :	M4 100mm x 100mm (MIS-D,100,C) - 423x355x58mm (Thickness 69 with VESA and 64 with USB.)
Flange Mount :	453x382x58mm - Cutout 424x356. 17mm Max panel thickness.
Rack Mount :	19" Rack 9U - 481X398x58mm

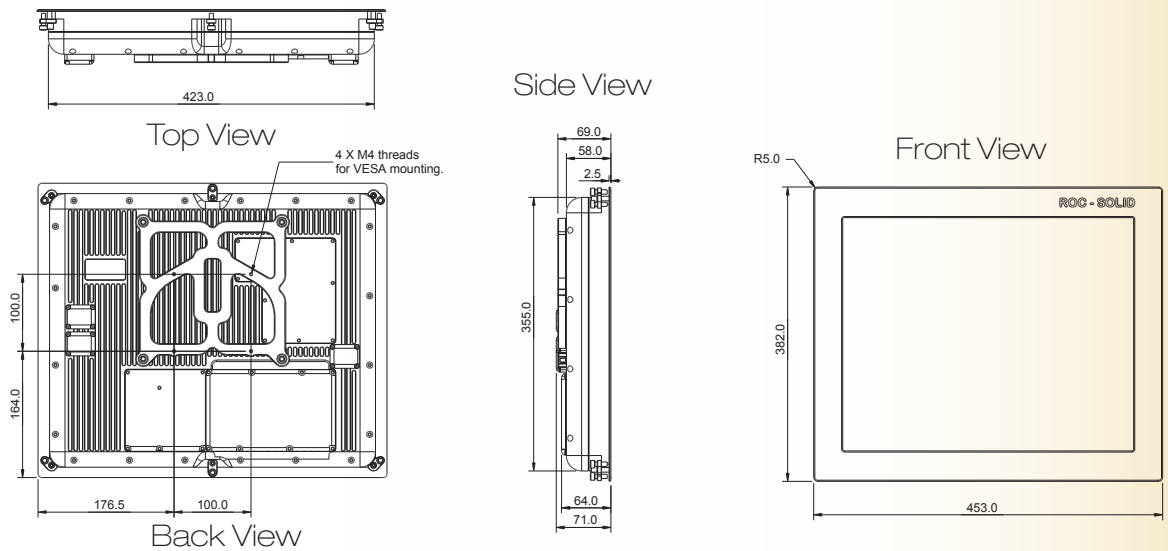
Environmental Considerations:

Operating Temperature	-5c to 55c
Storage Temperature	-20c to 80c
Humidity	0-95% non-condensing
IP Rating	IP65 Front
	IP54 Rear (Upgradeable to IP65)
Shock	IEC 60068-2-27 (15G, 11mS Half sine)
Vibration	5-500Hz @ .5g acceleration
EMC	EMI rating AS/NZS CISPR 22, EN 55022 and C Tick

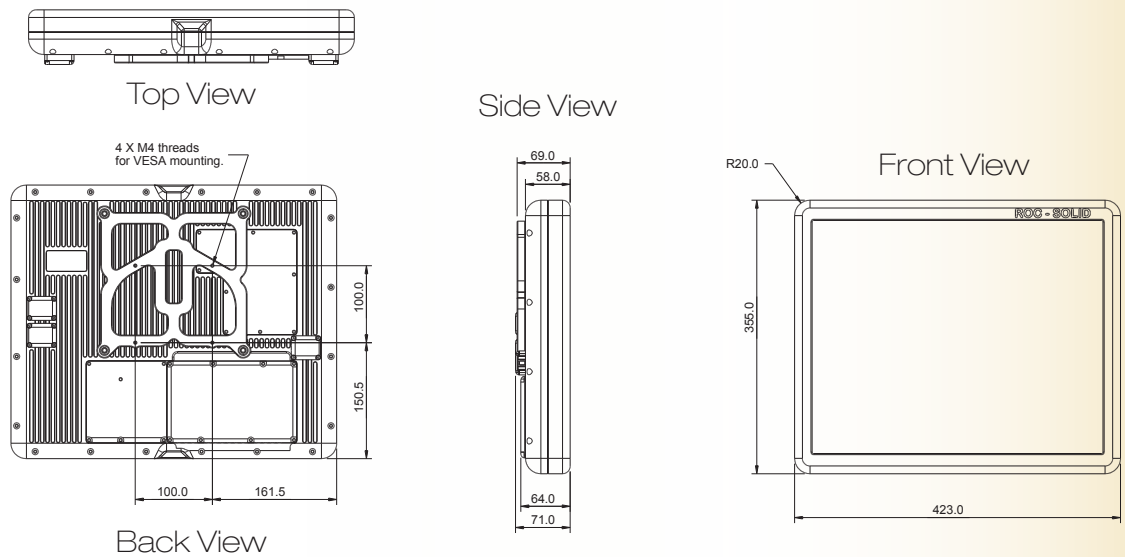
Available Configurations - other than Standard:

CPU	AMD: T56N (2x 1.65 GHz), T52R (1.5 GHz), T40R (1.0 GHz)
	Intel: Atom N270 with 1.6 GHz
Storage	120gb <
	CF Card 8GB to 128GB
Operating System	Microsoft Windows XP Professional
	Microsoft Windows 7 Pro/Ultimate
	Microsoft Windows Embedded
	32bit or 64bit versions available where applicable
USB	Option for external accessibility

19" Flange Mount



19" VESA Mount



19" Rack Mount

