

AVZ-R15IDS-65EX

Avza Tech designed our panel pc in response to requests for Panel PC equipment suitable for deployment in certain hazardous locations (HazLoc) where flammable substances may be present. Specifically, our 15" and 19" ATEX and Class 1, Div 2, Groups A-D certified for use in HazLoc environment.

Specification

LCD Panel Specification	
Panel_Size	15"
Active Display Area	304.1 (H) x 228.1 (V)
Pixel Pitch	0.297 (H) x 0.297 (V)
Panel_Display Resolution	1024 x 768
Panel_Contrast Ratio	700:1 (typ.)
Display Color	16.2M (6 bits + FRC)
Panel_Brightness	550 (typ.)
Panel_Viewing Angle	-80~80 (H); -70~70 (V)
Recommend Resolution	1024 x 768@60Hz, 75Hz
Power Management	VESA DPMS Compliant
Plug Play	VESA DDC 1/2B
Touch_SensorType	5-Wire Resistive
System Specification	
FormFactor	3.5"
Processor Socket	Onboard
Processor	Intel® Atom Dual Core N2600 1.6GHz

Chipset	Intel® NM10
Memory	1 x DDR3 SO-DIMM 1333 MHz (default 4GB)
BIOS	AMI 16 Mbit Flash
VGA Controller	Integrated Graphics
LCD Support	24 bit single-channel LVDS
Ethernet	Dual Broadcom BCM57780 GbE controller
Audio	Realtek ALC886 HD Audio Codec
Serial	1 x RS-232,1 x RS-232/422/485(inside)*
USB	2 x USB
Watchdog Timer	256 Levels
Expansion Slots	1 x Mini PCI (internal)
Storage	mSATA SSD (default 64GB, option up to 128GB)
OS	Windows Embedded Standard 7 Windows 7 Pro for Embedded Systems
Power Adapter	DC IN 12V
Environment	Environment & Dimensions
Temperature	Operating: -10°C to +50°C
Humidity	10% to 95% (non-condensing)
Cooling	Fanless cooling concept
Shock	MIL-STD-810F/G Method 516.6
I/O Connectors	
Back Panel I/O Port	1 x COM1 x LAN2 x USB1 x Power input
Standard and Certification	
Certification	UL60950-1, CSA C22.2 No. 60950-1-07, EN60950-1, IEC60950-1ATEX zone 2 EX II 3 G Ex ic nA IIC GcUL Class I, Div.2, Groups ABCD T4 ANSI/ISA12.12.01 CAN/CSA C22.2 No. 213-M1987
Note:	All Specifications are subject to change without prior notice!*If you use SBC on-board RS485, you need to set appropriate state of RTS line before sending/receiving data in your software program.We offer additional board that can perform auto-direction hardware function.