

SD-2000 Field-Upgradable Panel-PC

2011 Product Portfolio - Rugged Smart Displays & All-In-One Panel-PCs



Tactical Systems : A Division of Technology Advancement Group®, Inc.

Field-Upgradable CPU™ ::

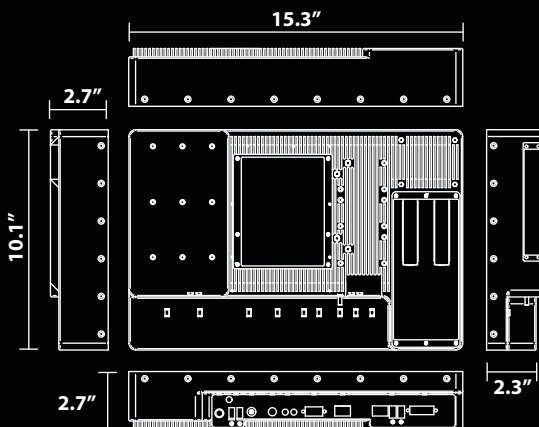
15" Widescreen LCD Display ::

COM-Express Module Options ::



Module Options

Processor Type	Chipset	Front-Side Bus
Intel® Core™ i7 SV, 2.53GHz	Intel® Mobile QM57	1066 MHz
Intel® Core™ i7 LV, 2.0GHz	Intel® Mobile QM57	1066 MHz
Intel® Core™ i7 ULV, 1.06GHz	Intel® Mobile QM57	800 MHz
Intel® Core™ i5 SV, 2.4GHz	Intel® Mobile QM57	1066 MHz
Intel® Core™ i3 SV, 2.13 GHz	Intel® 5 Series, Intel® HM55	1066 MHz
Intel® Core™2 Duo SV, 2.53 GHz	Intel® GS45, Intel® ICH9EM	1066 MHz
Intel® Core™2 Duo SV, 2.26 GHz	Intel® GS45, Intel® ICH9M	1066 MHz
Intel® Core™2 Duo LV, 1.86 GHz	Intel® GS45, Intel® ICH9M	800 MHz
Intel® Core™2 Duo ULV, 1.2 GHz	Intel® GS45, Intel® ICH9M	667 MHz
Intel® Atom™ N270, 1.6 GHz	Intel® 945GME, 82801GHM	533 MHz



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Hardware Specifications

Specifications below are subject to change, contact us for more information.



Build Characteristics	
Product Code	SD-2000 Field-Upgradable Panel-PC
Product Class	Smart Displays & All-In-One Panel PCs
Chassis Type	Conduction Cooled Aluminum Alloy (6061-T6)
Dimensions	15.3"W x 10.1"H x 2.7"D
Weight	18.0 lbs
Mounting Options	100mm & 75mm VESA Mounting Pattern (Fixed Mounting Options Available)
Display Characteristics	
Display Size	15.3" Widescreen LCD
Touchscreen	8-Wire Resistive Touchscreen (Optically Bonded)
Resolution	1280 (H) x 768 (V) pixels
Display Backlight	LED
Brightness	400 NITS (Up to 800 NITS Optional for Sunlight Readable)
Contrast Ratio	700:1
Viewing Angle	Horizontal: R (85°), L (85°); Vertical: Up (85°), Down (85°)
Color Support	16.77M Colors
Response Time	25ms
NVIS Compliant	Optional
Configuration Characteristics	
CPU Module Options	Intel® Core™ i7, i5, & i3 Processors Intel® Core™2 Duo Processors Intel® Atom™ Processors
Chipset	Intel® Series Chipset
Front Side Bus	Up-to 1066 MHz
Cache	Up-to 6MB Cache
Memory	Up-To 8GB (DDR3/DDR2)
Audio Engine	Digital High Definition Audio Interface with Support for Multiple Audio Codecs
Video Engine	Integrated Intel® Graphics Controller Dual Display Support (VGA & DVI) OpenGL 2.1 and DirectX10 Support Decoding Support MPEG-2 WMV9 H.264 Blue-Ray
Internal I/O Support	Up-to 8x USB 2.0
PCI Express Support	Dual Mini PC Express Internal Slots Optional modules include GPS, 802.11, Bluetooth Cellular Data Modem, Video Capture
Security	TPM (On Select COMExpress Modules)
System Diagnostics	Built-In Port 80 Readout
I/O Characteristics	
10/100/1000 Ethernet	2x RJ-45 Ports
Serial Port	1x Serial Port DB9
USB 2.0 Port	4x USB 2.0 Ports

Video Port	1x DVI-I Port
Audio Port	Line In, Line Out
External Button Boards	Primary On/Off, System On/Off, Reset
Storage Characteristics	
Storage Type	Up-to (4) Removable 1.8" SATA Solid State Drives (SSD)
Storage Capacity	80GB Each SSD (Contact Sales Rep for Larger Storage Options)
Power Characteristics	
Power Supply Input	28VDC - Nom (18-36 VDC Range)
Power Supply Output	16VDC
Power Supply EMI Filter	Compliance for MIL-STD-704 & MIL-STD-1275
Power Consumption	40W Typical
Software Options	
Supported Platforms	Microsoft® Linux®
Contact Sales Rep for Options	
Environmental Characteristics	
High Temperature Operational	Designed to Meet MIL-STD 810G Method 501.5, Procedure II (60°C)
Low Temperature Operational	Designed to Meet MIL-STD 810G Method 502.5, Procedure II (0°C)
High Temperature Non-Operational	Designed to Meet MIL-STD 810G Method 501.5, Procedure I (70°C)
Low Temperature Non-Operational	Designed to Meet MIL-STD 810G Method 502.5, Procedure I (-20°C)
Humidity	Designed to Meet MIL-STD 810G Method 507.5, Procedure II (0-95% Non-Condensing)
Shock	Designed to Meet MIL-STD 810G Method 516.6 Procedure I
Vibration	Designed to Meet MIL-STD 810G Method 514.6 Procedure I
Fungus	Designed to Meet MIL-STD 810G Method 508.6
Salt/Fog	Designed to Meet MIL-STD 810G Method 509.5
Warranty & Tech Support	
Warranty	(1) Year Parts and Labor Guarantee (Contact Sales Rep for Extended Warranty)
Tech Support	24x7 Technical Support Provided By TAG (1-877-824-8324 supportstaff@tag.com)

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