

# Smart Displays & Panel PCs

ENGINEERING, MANUFACTURING & INTEGRATION, AND LIFECYCLE MANAGEMENT



2011 PRODUCT PORTFOLIO



**Rugged. Reliable. Ready.™**

## The All-In-One Mobile Workstation



**TAG®'s Smart Display family of rugged all-in-one Panel PCs** introduces a new era of tactical computing. Utilizing the latest in COTS technology, our Smart Displays deliver a reliable & cost effective solution guaranteed to survive in the toughest environments.

**Tactical Displays:** Night vision & sunlight readability options, supported by advanced LED backlighting technology, enhance visual awareness. Featuring the toughest touch screen technology while protecting against scratches & impacts increases touch accuracy with gloved hands.

**Powerful Components:** Available with the latest Intel® Core® or Atom™ family of processors for robust configuration options. Mobile architectures require less power and run at lower temperatures extending the life of the product. The display is capable of real-time High-Definition video streaming, recording, and compression.

**Tough Communications:** Vibration-isolate, hot-swappable hard drives protect against shock & vibration. Choose Solid-State Drives (SSD) to increase data rates. Sealed communication ports defend the system from harsh environments and power connections support standard or MIL-SPEC connectors.

**Deploy Anywhere:** Robust display sizes & mounting options allow operations to be conducted in rugged vehicles, shipboard locations, and industrial VESA mounting applications. Lightweight & thin designs take up less space and increase portability. Sealed or air breathing chassis are ready for the most extreme environments.

**Rugged Architecture:** 5052 aluminum chassis & components for light weight durability, corrosion resistance in humid climates, increased thermal conductivity, and non-magnetic for minimizing magnetic interference. Conformal coated electronics protect against moisture, dust, chemicals, and extreme temperatures.

**Environmentally Ready:** Our in-house testing facility uses thermal simulation and finite element analysis, performed using thermal analysis software, to ensure that systems and instruments are designed and built to survive the full range of harsh thermal environments encountered by land, air, or sea.



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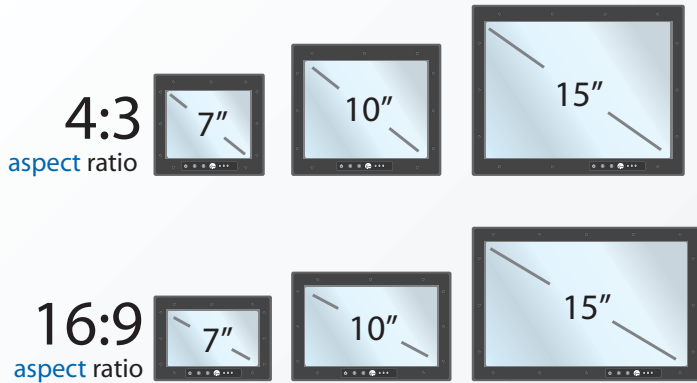
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The specification shown below is the baseline TAG configuration, but is not limited to what is listed. We can customize our systems to meet your exact customer or program requirements. Contact us today for more information. **1.800.TAG.POWER** | [itarmor@tag.com](mailto:itarmor@tag.com)

### Display Size Options



### Form Factors Options

**TAG IS IT™**

SD 10-90 Class	SD 100-900 Class	SD 1000-9000 Class
1.75" D		
3.50" D		
5.25" D		
8.0" & Smaller Chassis Widths	8.1" to 12" Chassis Widths	12.1" & Larger Chassis Widths

### Processor Options

- Intel® Core™ Family of Processors
- Intel® Celeron® Family of Processors
- Intel® Atom™ Family of Processors

### Mounting Options

- Rack-Mount
- Vehicle Mount
- Vesa Mount
- Console Mount
- Swivel Mount



### Display Options

- Multiple Display Integration
- Resolution 1024 x 768 (XGA) to 1920 x 1200 (WUXGA)
- Aspect Ratio of 4:3 to 16:9
- Response Time 5ms to 25ms
- Brightness 180nits to 300nits
- Contrast Ratio 600:1 to 1500:1
- Viewing Angle 188° (H) 188° (V) (Up-To)
- Touch Screen
- Privacy Filter
- Sunlight Readability
- Night Vision Imaging System (NVIS) Compliant

### Software Options

- Microsoft® (Contact Sales Rep for Options)
- Linux® (Contact Sales Rep for Options)

### Communication Options

- Commercial Connectors Available (MIL-STD Optional)
- 10/100/1000 Gigabit Ethernet Ports (RJ-45)
- USB Ports (2.0 or 3.0)
- Serial Ports (RS-232/422/485)
- PS/2 Keyboard & Mouse Ports
- Wireless Weather Ready Keyboard
- Bezel Controls (Customizable per Requirements)
- Video Input/Output VGA/DVI/HDMI
- Video Capture NTSC/PAL/SECAM
- Audio Input/Output
- Wireless WiFi/Bluetooth/GPS/3G
- External Antenna (Required for In-Vehicle Ops.)



### Cooling Options

- Convection Cooled (IP 20 - Air breathing)
- Conduction Cooled (IP 68 - Sealed)

### Environmental Specifications

- Operating Temperature: Designed to Meet 0°C to 60°C, MIL-STD 810G
- Non-Operating Temperature: Designed to Meet -40°C to 70°, MIL-STD 810G
- Shock: Designed to Meet MIL-STD 810G, MIL-STD-901D
- Vibration: Designed to Meet MIL-STD 810G, MIL-STD-167-1
- Altitude: Designed to Meet (O) 25,000 ft Solid State HDD (11,000 ft Rotating HDD) (N) 40,000 ft, MIL-STD 810G
- Humidity: Designed to Meet 20%-95% (Non-Condensing), MIL-STD 810G
- Fungus/Mold: Designed to Meet MIL-STD 810G
- Sand/Dust/Salt/Fog: Designed to Meet MIL-STD 810G with MIL-STD Connectors

- (1) Year parts and labor guarantee with 24x7 technical support provided by TAG
- Optional Extended Warranty Available
- Specifications subject to change without notice

### System Options

- Memory Expandable to 8GB DDR3 SDRAM
- AC Power Adapter with 16VDC Output
- PCI Expansion Slots Available on Select Models
- PMC/XMC High-Speed I/O Expansion Sites
- Dual Cardbus Type-II or Single Type-III (Requires 1 PMC Site)

### Storage Options

- Hot-Swappable, Vibration Isolated HDD Carriers
- SATA|SSD Hard Drive Options
- Disk Encryption Optional
- Internal RAID 0/1/5
- CD/DVD/RW Optical Drive

