

Displays & Keyboards

Engineering, Manufacturing & Integration, and Lifecycle Management



2010 Product Family Overview



Monitor Critical Data with TAG Rugged Displays

TAG's rugged LCD displays and keyboards are a high-performance, reliable solution to maximize visualization in harsh environments. Our LCD display and keyboard solutions are perfect for a variety of applications where space, weight, and the environment are critical.

High Performance: Featuring advanced LED backlighting technology, the displays are ideal for sunlight readability and NVIS compliant night vision operations. Our touch screen technology is based on projected capacitive sensors that offer highly dependable touch accuracy, protects impacts & scratches, and works with gloved or ungloved fingers. We also offer a variety of touch screen options.

Flexible Peripherals: Display sizes ranging from 10" to 24" inches, standard & widescreen formats, single & dual display designs, and integrated weather proof keyboards & pointing devices. All provide an end-product that is tailored to meet the demands of the mission.

Multiple Mounting Options: Whether it's a display for in-vehicle operations, deployable transit cases, or shipboard applications, we build trusted reliability when it's needed. Our LK Series of displays provide robust mounting options allowing it to fit in just about any space.

Built-In Communications: Easy access communication ports can be sealed to protect against the harshest environments. Integrated speakers with audio input combine to create excellent sound. Power connections support standard or MIL-SPEC connectors.

Rugged Architecture: The housing is made of 5052 aluminum chassis & components for lightweight durability, corrosion resistance in humid climates, increased thermal conductivity, and non-magnetic for minimizing magnetic interference. Conformal coated electronics to 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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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.

Display Size Options



aspect ratio 4:3



aspect ratio 16:9



Mounting Options

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



Cooling Options

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

Communication Options

- USB Ports (2.0 or 3.0)
- Video Input VGA/DVI/HDMI
- Audio Input/Output
- Bezel Controls (Customizable per Requirements)
- Integrated Weather Ready Keyboard (PS/2 or USB)
- Wireless Weather Ready Keyboard
- Integrated Trackball or Scratch Pad Pointing Device
- Wireless Pointing Device
- Integrated/Detachable Precision Joystick
- Integrated KVM Switch
- Bezel Controls (Customizable per Requirements)



Display Type Options

- Multiple Display Integration
- Resolution 1024 x 768 (XGA) to 1280 x 800 (WXGA)
- Resolution 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
- Power Input Range 24/28 VDC to 90/264 VAC

Environmental Specifications

- Operating Temperature: Designed to Meet 0°C to 50°C, MIL-STD 810G
- Non-Operating Temperature: Designed to Meet -40°C to 85°C, 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 15,000 ft (O), 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

TAG IS IT™

(1) Year parts and labor guarantee with 24x7 technical support provided by TAG

Optional Extended Warranty Available

Specifications subject to change without notice

Featured Product

LK-2000-19S Rugged 19" LCD Display

- Features Include:
- Custom Interface
 - Sealed I/O Ports
 - Thinner Footprint
 - Sunlight Readable
 - Enhanced Durability
 - Weather Resistant Chassis
 - Environmentally Protected IT Armor™



RUGGED.RELIABLE.READY.™