

# 12.1" CONTROL AND DISPLAY UNIT & TACTICAL COMPUTER - CDU&TC



Astronautics' Control and Display Unit (CDU), Active Matrix Liquid Crystal Displays, have been designed, tested and produced to meet the highest military standards. Specially designed for use by ground forces in artillery and armored vehicles and by naval vessels. Astronautics' CDUs can be modified or tailored to satisfy system needs.

Astronautics' robust 12.1" CDU has a high-resolution display with excellent contrast, and capability to display graphics or motion video (CCD or FLIR), readable from direct sunlight to Night mode operation.

#### Features:

- High resolution, High Brightness display, viewable in 10,000 foot-Lambert ambient.
- Powerful Pentium M processor supporting Digital Map and Navigation or Fire Control applications.
- Motion Video, FLIR and Color Graphics support.
- Large scale brightness control.
- Qualified to Military Standards.
- Low power consumption.
- Designed to withstand severe environmental conditions, no external cooling or fan.
- Modularized for maintainability - all modules, including AMLCD replaceable without adjustment.

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Technology:	<b>AMLCD</b>
Display Size:	<b>9.7"x 7.3"</b>
Physical Size (WxHxD):	<b>13.4" x 11.0" x 3.7"</b>
Weight:	<b>8 Kg. Max.</b>
Power, typical:	<b>28VDC, 56W (without Heaters).</b>
Brightness, Typical:	<b>150 fl (Foot-Lambert) Full Sunlight readability. (Can be set to higher levels if required)</b>
Specular Reflection	<b>&lt; 2%</b>
Diffused Reflection	<b>&lt;0.8%</b>
Shades of Gray:	<b>64</b>
Resolution:	<b>800x600 , 1024x768 (optional)</b>
Viewing Angle:	<b>±55° Horizontal +35° Up, -45° Down</b>
Aspect Ratio:	<b>4:3</b>
I/O:	<ul style="list-style-type: none"><li>- Twelve (12) channels of RS485/RS422/RS232.</li><li>- Ethernet 10/100/1000 Mbps.</li><li>- Three (3) USB 2.0 ports.</li><li>- OSS switches PC Keyboard Interface.</li><li>- Two (2) PAL/NTSC color video inputs.</li><li>- Buffered Video Output (TV out) - Optional.</li><li>- VGA video output.</li><li>- External Keyboard and Mouse for Maintenance Mode.</li></ul>
MTBF:	<b>&gt; 10,000 Hours</b>
Embedded CPU:	<b>Pentium M 1.4GHz</b>
Bezel:	<b>20 pushbuttons, plus brightness Up/Down control (Bezel tailoring to requirement is optional)</b>
Operating Temp.	<b>-40°C to +60°C</b> <ul style="list-style-type: none"><li>- Touch Screen</li><li>- WiFi / WiMAX Wireless Communication</li></ul>