



MODEL 8820SD

20" RUGGED COTS
SMART DISPLAY

FEATURES:

- Sealed, Fanless Design
- Convenient Front Controls
- Full Dimming Range
- AR Window
- Resistive Touchscreen
- Flexible Mounting Options

OPTIONS:

- Sunlight Readability
- 28VDC

SPECIFICATIONS:

Display Type:	20" TFT Active Matrix LCD
Active Display Area:	16.16" x 12.15" (410.46 mm x 308.61 mm)
Pixel Pitch:	0.255 x 0.255 mm
Brightness:	240 cd/m ² typical (STD)
Viewing Angle:	±85° All directions
Contrast Ratio:	1000:1
Response Time:	25 ms (Typical)
Display Colors:	16 Million
Native Resolution:	1600 x 1200
Processor:	i7-8800H 2.6 (4.3) GHZ STD Customizable with Type 6 Com Express Processor Modules
Memory:	32GB of Dual Channel DDR4 memory
Storage:	1TB removable SSD with SATA III Transfer speed Optional compact flash
I/O Ports:	(1) USB A- Mil Circular Connector (1) USB A- standard (2) NIC 10/100/1000 base copper Ethernet Ports (RJ-45)
OS Support:	Windows and Linux
Display Controls:	Soft Power, Brightness

Designed To Meet:

Temperature:	Operating: 0° C to 50° C, MIL-STD-810G Method 501/502, Procedure II Storage: -20° C to +85° C, MIL-STD-810G Method 501/502, Procedure I
Humidity:	Operating: 5 to 95% RH Non- condensing MIL-STD-810G, Method 507 Procedure I
Altitude:	Operating: Up to 42,000 ft. above sea level Storage: Up to 54,000 ft. above sea level MIL-STD-810G, Method 500
Shock:	MIL-S-901D Grade A Class I Type A
Vibration:	MIL-STD-167-1A Type I
Drip:	IP 65 Rating MIL-STD-810G, Method 506.5, Procedure III
Sand/Dust:	MIL-STD-810G, Method 510.5, Procedure I & III
EMI:	MIL-STD-461F, CE101, CE102, RE101, RE102, CS101, CS114, CS116, RS101, RS111
Power:	Supply: 80-275 VAC, Auto Ranging Frequency: 50-60 Hz Power: 105 Watts (Typical) Chassis Connector: MS3470L8-33P (DC) or MS3102R10SL-3P (AC) Cable Connector: MS3476W833S (DC) or MS3106RR10SL-3S (AC)
Dimensions:	18.97"W x 15.72"H x 4.49" DP (481.83 mm W x 399.28 mm H x 114.05 mm DP)
Weight:	29.5 lb.

All specifications subject to change without notice.

6/20_Rev 4

WWW.AYDINDISPLAYS.COM | SALES@AYDINDISPLAYS.COM

Please contact your sales representative for more information.
Consult Factory on pricing and lead time.