



**397 Route 281 – P.O. Box 1175
Tully, New York 13159-1175
Phone: 315 696-6676
Fax: 315 696 9923
Email: sales@acipower.com
www.acipower.com**

ACD-AU156-2365

PRELIMINARY DATA SHEET – PAGE 1 OF 2

15.6" FULL HD LED BACKLIT TFT DISPLAY

1000:1 dimming/Cool operation

GENERAL DESCRIPTION

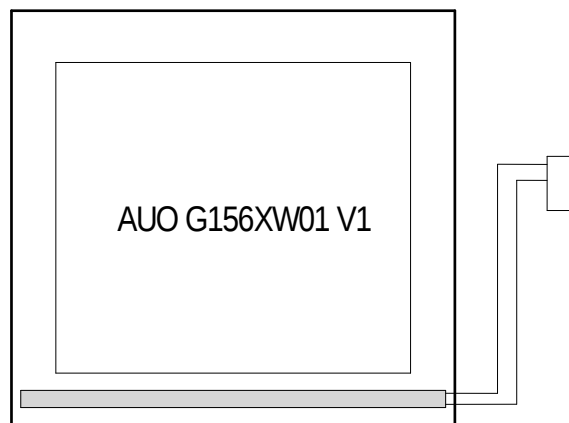
07/16/2013

The ACD-AU156-2365 consists of the AUO G156XW01 V1 Full HD TFT display modified with a high performance LED backlight.

Performance at given brightness levels

700 cd/m² with 21.7 watts LED power

Display outline identical to standard LED equipped panel



LCD PANEL HIGHLIGHTS

15.6" Full HD TFT Active Matrix Color
344.232 (H) mm x 193.536 (V) mm viewable area
Full HD 1366 x 768 pixels
16.7M colors
500:1 typical contrast ratio

For complete LCD specification (standard panel), refer to AUO datasheet G156XW01 V1

LED BACKLIGHT FEATURES

White LED edge-light rail

Two wire connection (Typically 11 inches long), allows simple interconnect with LED driver¹

Projected lifetime > 75,000 hours

Active fault protection keeps remaining LED's operating normally if one should ever fail

1000:1 or better dimming ratio, guaranteed¹

¹ For best power transfer and control, use ACI-E120250-1879 LED driver. Do not set the driver output current (Ifwd) higher than the value specified in the Maximum Ratings table of this document. Please contact the factory for more specific use LED driver solutions if required.

MAXIMUM RATINGS

07/16/2013

Symbol	Parameter	Value	Unit
Top	Operating temperature of display (center of panel surface)	0 to +50	Deg-C
Tled	Operating temperature of LED edge light (light rail contact)	-30 to +85	Deg-C
Tstg	Display storage temperature	-20 to +60	Deg-C
Ifwd	Maximum LED edge-light forward current (DC)	100	mA

PANEL/BACKLIGHT OPTICAL CHARACTERISTICS

Ifwd = 83.3mA per LED bank, 3 banks per rail, 1 rail per display (LED rail ACR-0853-2008), Ta = +25Deg-C, LCD unpowered

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Bp	Panel Brightness		630	700	770	cd/m ²
X	White X coordinate			0.272		-
Y	White Y coordinate			0.306		-

LED EDGE-LIGHT ELECTRICAL CHARACTERISTICS

Ifwd = 83.3mA per LED bank, 3 banks per rail, 1 rail per display (LED rail ACR-0853-2008), Top = +25Deg-C

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Vfwd	LED rail forward voltage drop		78	87	96	Vdc

TYPICAL LCD/LED BACKLIGHT PERFORMANCE GRAPHS

