

AURORA

B815/B817/B919

Rackmount LCD Monitor

User Manual
December 2014





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Packing List:

Please check the content:

Rackmount LCD monitor	1 PC
1.8m 15-pin D-Sub cable	1 PC
DVI-D cable (for DVI version only)	1 PC
USB cable (for Touchscreen version only)	1 PC
Driver CD disc (for Touchscreen version only)	1 PC
Power cord	1 PC

Safety Instructions:

1. Please read these safety instructions carefully.
2. Please keep this User Manual for later reference.
3. Please disconnect this equipment from AC outlet before cleaning. Don't use liquid or sprayed detergent for cleaning. Use moisture sheet or clothe for cleaning.
4. For pluggable equipment, the socked-outlet shall be installed near the equipment and shall be easily accessible.
5. Please keep this equipment from humidity.
6. Lay this equipment on a reliable surface when install. A drop or fall could cause injury.
7. Do not leave this equipment in an environment unconditioned, storage temperature above 60 °C, it may damage the equipment.
8. The opening on the enclosure is for air convection hence the equipment from overheating. DO NOT COVER THE OPENING.
9. Make sure the voltage of the power source connect the equipment to the power outlet.
10. Please keep the power cord such a way that people can not step on it. Do not place anything over the cord. The power cord must rate for the voltage and current marked on the product's electrical ratings label. The voltage and current rating of the cord should be greater than the voltage and current rating marked on the product.
11. All cautions and warning on the equipment should be noted.
12. If the equipment is not in use for long time, disconnect the equipment from mains to avoid being damaged by transient over-voltage.
13. Never pour any liquid into ventilation openings; this could cause fire or electrical shock.
14. Never open the equipment. For safety reason, qualified service personnel should only open the equipment.

15. If one of the following situations arises, get the equipment checked by service personnel.
 - The Power Cord or plug is damaged.
 - Liquid has penetrated into the equipment.
 - The equipment has been exposed to moisture.
 - The equipment has not worked well or you can not get it work according to User Manual.
 - The equipment has dropped and damaged.
 - If the equipment has obvious signs or breakage.

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Chapter 1 Product Introduction

1.1 Product Overview

The **AURORA-B** series is designed to provide users with friendly and clear visual monitoring device that can be easily fitted onto standard 19" rack. The series supports 15", 17" and 19" bright active matrix TFT LCD display in elegantly designed heavy duty steel housing. It allows wide viewing angle R-L and U-D up to 140 degree. Ultra excellent display quality is supported by a maximum contrast ratio of 1000:1 and a resolution up to (SXGA) 1280 x 1024 pixels for 17" and 19" version. **AURORA-B** series also support Sun native resolution. It can be connected easily to your computer through standard VGA interface.

The LCD monitors are compatible with most analog RGB (red, green, blue) display standards. The LCD monitor is capable of displaying crisp and vibrant color graphics with VGA, S2GA, XGA (non-interlaced), and most Macintosh compatible color video cards.

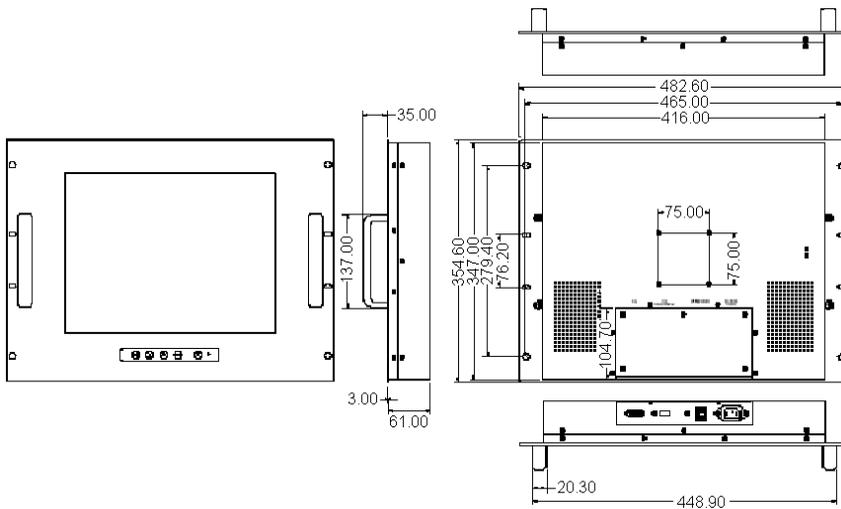
1.2 Product Specification

1.2.1 AURORA-B815

Features	Description
LCD Display Size	15 inches
Display Type	Active Matrix TFT LCD
Display Resolution	1024 x 768
Pixel Pitch	0.297mm x 0.297mm
Viewing Angle (CR>10)	Right-Left view 130°(Typical) Up-Down View 100°(Typical)
Contrast Ratio	400 : 1
Brightness	White 250 cd/m2
Backlight	Dual Lamps
Display Color	16M Colors (8-bit with FRC)
Response Time	Rise time 5ms, Decay time 11ms
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	10.41W
Temperature	Operating: 0~50°C / 32~122°F Storage: -20~60°C / -4~140°F
Humidity	10% ~ 90% RH

Features	Description
Chassis	Heavy duty steel materials
Dimension (W x D x H)	482.6 x 354.6 x 64 mm 19 x 13.9 x 2.5 inches
Package Dimension	566 x 484 x 245 mm
Net Weight	7.0kg
Gross Weight	10.0kg

(Mechanical Drawing)

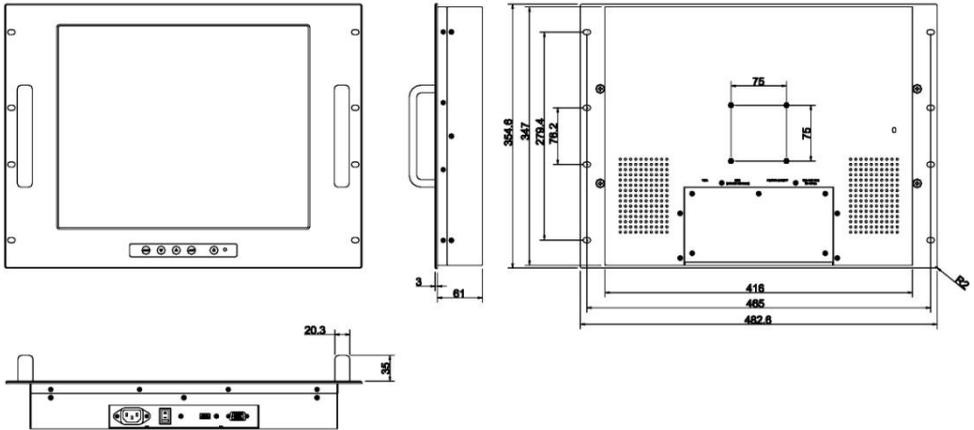


1.2.2 AURORA-B817

Features	Description
LCD Display Size	17 inches
Display Type	Active Matrix TFT LCD
Display Resolution	1280 x 1024
Pixel Pitch	0.264 mm x 0.264 mm
Viewing Angle (CR>10)	Right-Left view 70°(Typical) Up-Down View 60°(Typical)
Contrast Ratio	1000 : 1
Brightness	White 250 cd/m2
Backlight	Dual Lamps
Display Color	16.7M Colors (8-bit with FRC)
Response Time	Rise time 1.2ms, Decay time 3.8ms
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	9.91W
Temperature	Operating: 0~50°C / 32~122°F Storage: -20~60°C / -4~140°F
Humidity	10% ~ 90% RH

Features	Description
Chassis	Heavy duty steel materials
Dimension (W x D x H)	482.6 x 354.6 x 61 mm 18.9 x 13.9 x 2.4 inches
Package Dimension	565 x 485 x 240mm
Net Weight	7.4kg
Gross Weight	10.4kg

(Mechanical Drawing)

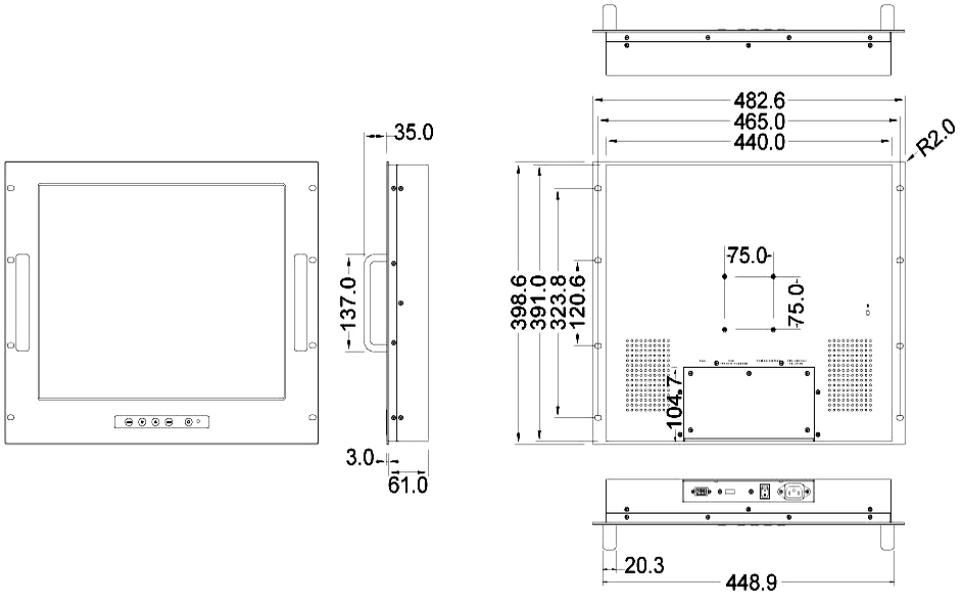


1.2.3 AURORA-B919

Features	Description
LCD Display Size	19 inches
Display Type	Active Matrix TFT LCD
Display Resolution	1280 x1024
Pixel Pitch	0.098 mm x 0.294 mm
Viewing Angle (CR>10)	Right-Left view 170°(Typical) Up-Down View 160°(Typical)
Contrast Ratio	1000 : 1
Brightness	White 250 cd/m2
Backlight	Dual Lamps
Display Color	16.7M colors (8-bit with FRC)
Response Time	Rising time 1.3ms, Decay time 3.7ms
Sync	45 ~ 80 KHz
Power Source	100 ~ 240 VAC input
Power Consumption	11.6W
Temperature	Operating: 0~50°C / 32~122°F Storage: -20~60°C / -4~140°F -30~60°C / -22~140°F (Optional)
Humidity	10% ~ 90% RH

Features	Description
Chassis	Heavy duty steel materials
Dimension (W x D x H)	482.6 x 398.6 x 64 mm 19 x 15.6 x 2.5 inches
Package Dimension	565 x 525 x 250mm
Net Weight	9.0kg
Gross Weight	12.4kg

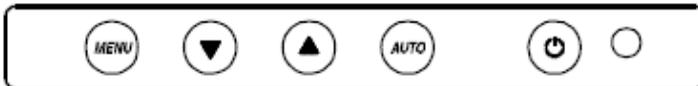
(Mechanical Drawing)



Chapter 2 Panel Control & OSD Function

Controls	Description
	Soft power on/off button. Adjacent LED is lit when on.
Auto	Auto-synchronize and scale down display to any valid factory preset timings.
Up	Press to scroll the function you want to adjust.
Down	Press to scroll the function you want to adjust.
Menu	To access the main menu. This bottom also acts as the "Enter" bottom.

The OSD Control Bar is located right below the LCD panel display:



2.1 Auto Tune

Press the "auto tune" button. The panel will adjust the display size automatically and also tune the panel to its best condition.

2.2 Input Source

1. Press the **"Menu"** button.
2. Use the **"Down"** and **"Up"** button to scroll.



3. Press the **"Menu"** button to enter, and you will see:
VGA / DVI
4. Use the **"Down"** and **"Up"** button to select the input signal source.
5. Press the **"Menu"** button to enter

2.3 Brightness

1. Press the **“Menu”** button.
2. Use the **“Down”** and **“Up”** button to scroll.



3. Press the **“Menu”** button to enter.
4. Use the **“Down”** and **“Up”** button to adjust the brightness.
5. Press the **“Menu”** button to enter.

2.4 Contrast

1. Press the **"Menu"** button.
2. Use the **"Down"** and **"Up"** button to scroll.



3. Press the **"Menu"** button to enter.
4. Use the **"Down"** and **"Up"** button to adjust the contrast.
5. Press the **"Menu"** button to enter.

2.5 Color Temperature

1. Press the **"Menu"** button.
2. Use the **"Down"** and **"Up"** button to scroll.

Main Menu
Input Source
Auto tune
Brightness
Contrast
Color
Position
Language
Recall
Exit

3. Press the **"Menu"** button to enter. And you will see:

Options	Description
9300°K	To set CIE coordinates at 9300°K color
7500°K	To set CIE coordinates at 7500°K color
6500°K	To set CIE coordinates at 6500°K color
User	To set user defined CIE
Auto color	To auto adjust color
Return	To exit and return to the previous page

4. Use the **"Down"** and **"Up"** button to adjust the Color temperature.
5. Press **"Menu"** to enter.

2.6 Position

1. Press the **"Menu"** button.
2. Use the **"Down"** and **"Up"** button to scroll.



3. Press the **"Menu"** button to enter. And you will see:

Options	Description
Image Pos	To adjust the position of the image
OSD Pos	To adjust the position of the OSD
Return	To exit and return to the previous page

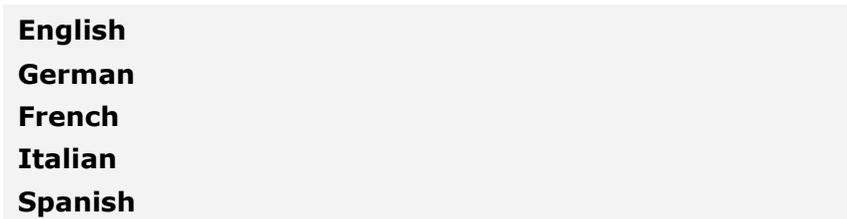
4. Use the **"Down"** and **"Up"** button to scroll.
5. Press the **"Menu"** button to enter.

2.7 Language

1. Press the "**Menu**" button.
2. Use the "**Down**" and "**Up**" button to scroll.



3. Press the "**Menu**" button to enter, and you will see:



4. Use the "**Down**" and "**Up**" button to select the OSD language.
5. Press the "**Menu**" button to enter.

2.8 Recall

1. Press the **"Menu"** button.
2. Use the **"Down"** and **"Up"** button to scroll.

Input



3. Press the **"Menu"** button to enter, and you will see:
Yes / No
4. Select **"Yes"** button then **"Menu"** button to recall the factory setting.
Select **"No"** to return to the previous page.

2.9 Exit

Press the “exit” button to quit OSD menu.

2.10 Power LED Indicator

Color	Status Description
Green	On
Red	Standby
Red	Suspend
Red	Off

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