

ATEN CL3700NW

ATEN CL3700NW 19-inch Ultra Short Depth Wide Screen LCD Console HDMI/USB User Manual

Model: CL3700NW

1. INTRODUCTION

The ATEN CL3700NW is a 19-inch Ultra Short Depth Wide Screen LCD Console designed for efficient system management in server rooms and data centers. This console integrates an 18.5-inch TFT active matrix display, keyboard, and touchpad into a 1U rack-mountable sliding housing. It supports HDMI and USB connectivity, offering a compact and convenient solution for accessing and controlling connected computers.

2. PRODUCT FEATURES

- **Display:** 18.5-inch TFT active matrix with FHD 1080p (1920 x 1080) resolution.
- **Viewing Angle:** 178 degrees (horizontal and vertical).
- **Connectivity:** HDMI and USB interfaces.
- **Contrast Ratio:** 1000:1 (calculated based on luminance of 350 cd/m²).
- **Color:** Black finish.
- **Power Consumption:** 100-240 Watts.
- **Weight:** Approximately 4 kilograms (8.82 pounds).

3. PRODUCT OVERVIEW



Figure 1: Close-up view of the ATEN CL3700NW LCD console screen.



Figure 2: Front view of the ATEN CL3700NW LCD console, showing the closed unit.



Figure 3: The ATEN CL3700NW console with the keyboard and touchpad tray extended for use.

4. SETUP AND INSTALLATION

1. **Rack Mounting:** Install the CL3700NW console into a standard 1U rack space using the provided mounting kit. Ensure secure fastening to prevent movement.
2. **Connect Video Cable:** Connect an HDMI cable from the console's HDMI input port to the HDMI output port of the computer or KVM switch.
3. **Connect USB Cable:** Connect a USB cable from the console's USB port to a USB port on the computer or KVM switch. This provides keyboard and mouse functionality.
4. **Connect Power:** Connect the power adapter to the console's power input and then plug it into an AC power source.
5. **Power On:** Press the power button on the console. The LCD display should illuminate, and the system will begin to boot.

5. OPERATION

- **Opening the Console:** Gently pull the console tray out from the rack until it locks into place. Lift the LCD panel to the desired viewing angle.
- **Keyboard and Touchpad:** Use the integrated keyboard and touchpad for input. Standard keyboard shortcuts and mouse gestures apply.
- **Adjusting Display Settings:** Use the OSD (On-Screen Display) buttons, typically located near the screen, to adjust brightness, contrast, and other display parameters. Refer to the OSD menu for specific options.
- **Closing the Console:** Lower the LCD panel, then push the console tray back into the rack until it clicks into its locked position.

6. MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth slightly dampened with a non-abrasive screen cleaner. Do not spray cleaner directly onto the screen.
- **Cleaning the Keyboard/Touchpad:** Use a soft brush or compressed air to remove dust and debris. A slightly damp cloth can be used for surface cleaning.
- **Ventilation:** Ensure that the console's ventilation openings are clear of obstructions to prevent overheating.
- **Cable Management:** Periodically check all connected cables for secure connections and signs of wear.

7. TROUBLESHOOTING

- **No Display:**
 - Ensure the console is powered on and the power adapter is securely connected.
 - Verify the HDMI cable is correctly connected to both the console and the computer/KVM.
 - Check the computer/KVM video output settings.
- **No Keyboard/Mouse Input:**
 - Ensure the USB cable is securely connected to both the console and the computer/KVM.
 - Try connecting the USB cable to a different USB port on the computer/KVM.

- Restart the connected computer.
- **Flickering or Distorted Display:**
 - Check the HDMI cable for damage or loose connections.
 - Adjust the display resolution and refresh rate on the connected computer to match the console's specifications.

8. SPECIFICATIONS

| Feature | Specification |
|----------------------------|-----------------------------------|
| Model Name | CL3700NW |
| Screen Size | 18.5 Inches |
| Screen Resolution | 1920 x 1080 (FHD 1080p) |
| Display Type | TFT Active Matrix |
| Viewing Angle | 178 degrees (Horizontal/Vertical) |
| Contrast Ratio | 1000:1 |
| Connectivity Technology | HDMI, USB |
| Color | Black |
| Item Weight | 19.82 pounds (approx. 8.99 kg) |
| Product Dimensions (LxWxH) | 18.78 x 1.69 x 18.92 inches |
| Power Consumption | 100-240 Watts |
| Processor Brand | NVIDIA (CPU compatibility) |

9. WARRANTY AND SUPPORT

ATEN is committed to providing reliable products and support. For assistance with your CL3700NW console, please refer to the following information:

- **Technical Support:** ATEN offers free technical support. Responses to customer inquiries are typically provided within 4 hours.
- **Warranty Service:** Extended warranty service and variable value-added service packages are available.
- **Repair Services:** Localized repair centers are available for RMA (Return Merchandise Authorization) services.



Figure 4: Overview of ATEN's support services, including localized repair, extended warranty, and free technical support.

For detailed warranty terms and to access support resources, please visit the official ATEN website or contact your local ATEN representative.