



SERVVIEW HD KVM TRAY

Introduction

The Black Box LCD Console (KVT617A) is a space-saving 1U rackmount console that provides full local access to multiple rack-mounted servers in data centers, server rooms, and control environments.

KVT617A features a built-in 17.3" LED-backlit full HD display (1920 x 1080), a full-size keyboard, touchpad, and support for a wide range of video interfaces including VGA, HDMI, DisplayPort™ and DVI (via adapter) on both the server and local console (user) sides.

Designed for complete at-rack control, KVT617A's LCD panel offers crisp image clarity with 300 cd/m² brightness and a 70° x 70° viewing angle. It integrates seamlessly with a variety of KVM switches supporting VGA, DisplayPort, or HDMI, making it a universal and future-proof option for managing physical infrastructure.

Applications

Data Centers and Server Rooms: KVM trays save valuable rack space by consolidating keyboards, monitors, and mice into a compact unit (1U or 2U), reducing clutter. They enable centralized management of multiple servers from a single console, eliminating the need for physical crash carts. KVM trays provide direct hardware access for troubleshooting when software tools fail, improving technician efficiency. They also reduce hardware costs by minimizing peripherals and contribute to better cooling in data centers due to less equipment and heat generation.

Control Rooms: KVM trays in control rooms (industrial, security, broadcast) enable operators to monitor and control diverse systems, video, and data from one workstation. Their compact, ergonomic design reduces fatigue by organizing the workspace. This setup facilitates quick decision-making by allowing fast switching and clear display of multiple information sources.

Broadcasting and Media Production: Instead of having separate keyboards, monitors, and mice for each editing workstation or media server, a KVM tray allows a single operator to switch between multiple devices quickly and seamlessly. This means editors or technicians can access and control all the necessary machines from one place without physically moving between stations.

Product Images



KEY FEATURES

- **1U Rackmount Console Design** Saves valuable rack space while consolidating video, keyboard, and mouse control into a single drawer.
- **17.3" Full HD LED Display (1920 x 1080 @ 60 Hz)** Powered by an Active Matrix TFT LCD panel with LED backlighting, the KVT617A delivers sharp, vivid visuals at native 1080p resolution. With 300 cd/m² brightness, a 650:1 contrast ratio, and a wide 70° × 70° viewing angle, the display performs reliably even in brightly lit or off-angle environments — minimizing eye strain during extended maintenance sessions
- **Integrated Keyboard and Touchpad** No external peripherals required.
- **Multi-Video Input Support** Makes it compatible with most servers or KVM switches, future-proofing your deployment and simplifying integration.
- **Front USB Hub** Enables quick local access to keyboard/mouse or file transfer tools for maintenance or system updates.
- **External Console Ports** Supports an additional user console for extended access or remote management flexibility.
- **Integrated Power Supply** Allows for cleaner installation with fewer components.
- **Integrated Autosensing Power Supply** The built-in power supply accepts 100–240 VAC at 50/60 Hz, drawing only 65 watts in operation. This autosensing design supports worldwide deployment out of the box and reduces the number of discrete power components in your rack — keeping installations clean and compliant.
- **Broad OS Compatibility** Fully supports Microsoft Windows® 10/11, macOS®, and Linux — ensuring seamless integration across heterogeneous server environments without additional driver overhead.
- **MTBF of 30,000 Hours** -Rated for 30,000 hours mean time between failures (LCD screen), the KVT617A is built for the reliability demands of mission-critical environments, backed by a standard 2-year warranty with 1- and 3-year options available.

Specifications

Physical	
Black Box Product SKU	KVT617A
Black Box Product Name	KVM LCD Console Tray
Product Type	17-in., Single-Rail, Touchpad, LED Backlight, USB, HDMI, DisplayPort®, VGA
Form Factor	1U rack mounting on slide-out rails
Rail Type	Single
Locking Type	Latch
Dimensions (HxWxD)	1.7" x 17" x 20.7" (4.3 x 43.4 x 52.6 cm)
Weight	23.37 lb. (10.6 kg)

General	
Output Ports (Console Ports)	(2) DisplayPort, (2) HDMI, (2) VGA
Connectors - Input	(1) VGA Female, (1) DisplayPort Female, (1) HDMI Female, (1) USB type B female
Connectors - Output	(1) VGA Female, (1) DisplayPort Female, (1) HDMI Female, (2) USB type A female (Rear & Front)
Active Display Area	17.3" TFT
Connectors	Server Console Ports: (1) USB Type B, (1) VGA, (1) DisplayPort, (1) HDMI; Local Console Ports: (2) USB Type A, (1) VGA, (1) DisplayPort, (1) HDMI
OS Support	Microsoft Windows® 10/11, macOS®, Linux

Video		
Native Resolution	1920 x 1080	
Video type	VGA, HDMI, DP	
Panel Type	Active Matrix TFT LCD with LED backlight unit	
Supported Resolutions	1920 x 1080 (Vesa) @ 60 Hz	1920 x 1080 (UEFI/BIOS) @ 50 Hz
	1680 x 1050 (UHD)(2) @ 60 Hz	1600 x 1200 @ 60 Hz
	1600 x 900 @ 60Hz	1440 x 900 @ 60 Hz
	1366 x 768 @ 60Hz	1024 x 768 @ 70 Hz
Pixel Pitch	0.1989 (H) x 0.1989 (V)	
Brightness (cd/m²)	300	
Color Support	262 K	
Viewing Angle	70° x 70°	
Contrast Ratio (typ.)	650:1	
Display Area (mm)	380 x 215	
DDC Compatible	DDC, DDC2, DDC2B	
EDID Support	Yes	

Specifications (continued)

Peripheral	
Keyboard/mouse	104 keyboard/touchpad or US keyboard

Power	
Power Source	Autosensing, 100 to 240 VAC, 50/60 Hz
Maximum Operating Voltage/Amperage	12 VDC, 5.42 A
Input Connector	IEC320 C14
Power Consumption	65 Watts
BTU (British Thermal Units)	221.65
Power Supply	BIS, CB, EN62368-1

Environmental	
Operating Temperature	32 to 104° F (0 to 40° C)
Storage Temperature	23 to 140° F (-5 to 60° C)
MTBF (Mean Time Between Failures)	30,000 hours (LCD Screen MTBF, lowest #)
Storage Humidity	95% or less Relative
Relative Humidity	5 to 90%, non-condensing

Regulatory and Warranty	
Approvals/Certifications	FCC, CE, RoHS
Country of Origin	Taiwan
Standard Warranty	2 Years
Warranty Options	1 and 3 Years

Product Includes:

- Power cord
- USB cables
- KVM trays
- US keyboard

Ordering Information

Product Code	Description
KVT617A	17-in., Single-Rail, Touchpad, LED Backlight, USB, HDMI, DisplayPort™, VGA

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