

16-Port DisplayPort/USB KVM Switch with Audio/Video and USB Peripheral Sharing, 4K 60 Hz, 1U Rack-Mount, TAA

MODEL NUMBER: B024-DPU16



Controls up to 16 DisplayPort-enabled laptop or notebook computers using one centralized DisplayPort monitor and USB keyboard/mouse.

Features

Connects 16 DisplayPort Devices to a Single DisplayPort Monitor, Keyboard and Mouse

This rack-mount KVM switch lets you access, control, boot and reboot up to 16 computers or other devices with DisplayPort connectors at the same time. In addition to desktop and notebook computers, the KVM also connects up to 16 media centers, gaming systems, Blu-ray and DVD players, cable and satellite boxes, DVRs and other DisplayPort-enabled devices. All 16 computers share one DisplayPort and/or HDMI monitor, USB keyboard and USB mouse, which saves space on your desk or workspace.

Connect up to 256 Computers to One Original Console

You can also cascade two levels of B024-DPU16 KVM switches, allowing centralized access to as many as 256 computers using a single monitor, keyboard and mouse.

Switching Between Computers Is Fast and Easy

Use the front-panel pushbuttons, RS-232 commands, hotkeys or multi-lingual On-Screen Display (OSD) with text-based interface for quick and easy toggling between computers. Or you can use Auto Scan mode to scan all connected computers in five-second intervals automatically. Orange LEDs indicate which computer is currently selected.

Cables Are Included for Fast and Simple Setup

Connect your DisplayPort and/or HDMI monitor, keyboard, mouse, and (optional) speakers to the KVM's console ports. Then, use the included DisplayPort and USB cables to connect your computers to the KVM. The plug-and-play B024-DPU16 requires no software, so you can connect and use it immediately. It works with all major operating systems, including Windows, macOS, Sun and Linux.

USB Hub Lets You Share Peripherals between Computers

The built-in dual-port USB 3.1 Gen 1 hub allows you to share USB peripherals, such as printers, hard drives, scanners, webcams and flash drives, between all connected computers. Because the USB ports operate independently, you can print documents from one computer while working on a different computer. The hub is backward compatible with earlier USB generations. LEDs indicate which computer is using the connected USB device.

Transmits Crystal-Clear 4K Video and High-Definition Audio

The B024-DPU16 supports true 4K video (4096 x 2160) at 60 Hz and 2.1-channel surround sound with full

Highlights

- Supports true 4K resolutions up to 4096 x 2160 @ 60 Hz with HD audio
- Cascade up to 2 levels to control as many as 256 computers from a single console
- Built-in 2-port USB 3.1 hub lets you share USB peripherals among connected computers
- Pushbuttons, hotkeys and on-screen display allow easy toggling between computers
- Firmware-upgradable KVM works with Windows, Mac, Sun and Linux operating systems

Applications

- Share the keyboard, mouse and DisplayPort screen of a laptop or notebook computer with multiple computers
- Connect up to 16 gaming consoles, media centers and other A/V devices for a home theater system with 4K resolution
- Save money and space by sharing USB peripherals, such as a printer and external hard drive, among all connected computers
- Control up to 256 computers by cascading the B024-DPU16

System Requirements

- Console with DisplayPort and/or HDMI monitor, USB keyboard/mouse and (optional) speakers with 3.5 mm connectors
- Computer with DisplayPort, USB-A and (optional) 3.5 mm audio ports
- Windows, macOS, Sun or Linux operating system

Package Includes

- B024-DPU16 16-Port DisplayPort/USB KVM Switch
- (2) DisplayPort 1.4 cables, 5 ft. (1.5 m)
- (2) USB 3.0 A-to-B cables, 6 ft. (1.8 m)
- (2) 3.5 mm audio cables, 6 ft.
- Firmware upgrade cable, 6 ft.
- External power supply (Input:



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bass response. With independent audio switching, you can listen to music or other audio from one computer while working on a different computer. The front-panel audio jacks have priority over the rear-panel jacks.

Stack Units to Expand Your Workstation and Enhance Your Productivity

Stack as many as eight B024-DPU16 KVM switches on a level surface to take advantage of multi-display mode. Depending on the number of stages in your stack, your installation may offer dual-display, triple-display, quad-display or multi-display scenarios, up to eight stages.

Designed for Convenient Mounting with Included Hardware

The heavy-duty metal housing comes with mounting hardware for 1U installation in an EIA-standard 19-inch rack. It also allows desktop deployment on included rubber feet that help prevent the unit from sliding. The included power supply comes with a detachable C13-to-C14 cord.

100-240V, 50/60 Hz; Output:
12V 3.3A) with detachable C13-
to-C14 cord, 4 ft. (1.2 m)

- (4) Rubber feet
- Rack-mounting hardware
- Quick Start Guide

Specifications

OVERVIEW	
UPC Code	037332263711
Max CPU	16
Technology	DisplayPort
VIDEO	
Number of Monitors Supported	1
Max Supported Video Resolution	4K @ 60Hz (4096 x 2160)
Max Number of Ports (Entire Chain)	256
Extended Mode	No
Mirror Mode	No
AUDIO	
Audio Specification	Stereo
INPUT	
AC Power Adapter Plug(s)	IEC-320-C14
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 1.4A
AC Power Adapter Output Specs (V / A)	12V / 5A
AC Power Adapter Cord Length (ft.)	3.28
AC Power Adapter Cord Length (m)	1
POWER	
Power Source Type	AC Adapter with detachable power cord
DC Barrel Plug	OD: 5.5 x 2.5 x 9.5mm, Positive Pin, Negative Sleeve
Power Consumption (Watts)	18.44



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CONNECTIONS	
Number of Ports	16
Computer/Server Ports	DP, USB, 3.5mm Audio Jack (Audio)
Daisy-Chain Port	No
Firmware Upgrade Port	Yes
PC/Server Connections	DisplayPort
Side A - Connector 1	DISPLAYPORT (FEMALE)
Side A - Connector 2	(2) USB A (FEMALE)
Side A - Connector 3	3.5MM (FEMALE)
Side B - Connector 1	(16) DISPLAYPORT (FEMALE)
Side B - Connector 2	(16) USB B (FEMALE)
Side B - Connector 3	(16) 3.5MM (FEMALE)
Computer Keyboard and Mouse Interface	USB
Computer Monitor Interface	Displayport
Console Keyboard and Mouse Interface	USB
Console Monitor Interface	Displayport
Connector Plating	Nickel
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Orange (x16) - On Line/Selected Port, Green (x1) - Power, Green (x16) - USB Link
PHYSICAL	
Color	Black
Material of Construction	Metal
Rackmountable	Yes
Shipping Dimensions (hwd / in.)	5.24 x 19.46 x 12.76
Shipping Dimensions (hwd / cm)	13.31 x 49.43 x 32.41
Shipping Weight (lbs.)	11.70
Shipping Weight (kg)	5.31
Unit Dimensions (hwd / in.)	17.020 x 8.440 x 1.730
Unit Dimensions (hwd / cm)	43.24 x 21.43 x 4.40
Unit Packaging Type	Box
Unit Weight (lbs.)	6.85
Unit Weight (kg)	3.11
ENVIRONMENTAL	



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Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	-4° to 140°F (-20° to 60°C)
Relative Humidity	0-80% non-condensing
Operating Temperature	32° to 104°F (0° to 40°C)
BTUs	136
COMMUNICATIONS	
Hotkey	Yes
Port Control	Push Buttons, Hotkeys, OSD
IP Remote Access	No
PORT EXPANSION	
Daisy-chainable or Cascadable	Cascadable
FEATURES & SPECIFICATIONS	
NIAP-Certified Secure	No
Number of Users	1
On-Screen Display (OSD)	Yes
Port Selection	Hotkey; OSD; Pushbutton; Remote Selector
Displayport Specification	1.2
HDCP Specification	2.2
Driver Required	No
STANDARDS & COMPLIANCE	
External Power Supply Certifications	CCC; CE; China RoHS; GS; LPS; PSE; RoHS; TUV; UL; WEEE; cUL
Product Certifications	NOM (Mexico)
Product Compliance	RoHS; CE (Europe); REACH; WEEE; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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