ComX Computers
Product Specification Sheet

CA-MDPDP4Kx2-J

J5create JDA146 Mini DisplayPort to Dual DisplayPort Adapter

Product Overview

J5create JDA146 Mini DisplayPort to DP(4K) x2 female MST hub with Cable (150mm) - support up to dual 4096x2160 4K UHD @30Hz, support extended/ expansion/ mirror mode, USB-powered, white, for MAC or PC - retail pack





Specifications

About this product

The j5create JDA146 Mini DisplayPort to Dual DisplayPort MST hub lets compatible computers connect to two DisplayPort monitors from a single Mini DisplayPort output, with support for up to 3840 x 2160 at 30Hz per display. It supports extended, expansion and mirror display modes, plug-and-play operation and USB-powered operation. Compatible with supported Windows PCs and selected Mini DisplayPort systems. Buy now from our website for a practical dual-monitor solution.

Overview Summary

j5create JDA146 Mini DisplayPort to Dual DisplayPort MST Hubis designed to expand a compatible Mini DisplayPort computer to two DisplayPort displays. Using Multi-Stream Transport (MST), it can drive two independent displays at resolutions up to 3840 x 2160 at 30Hz each when the host graphics hardware supports DisplayPort 1.2 with MST and HBR2.

The compact white adapter provides two female DisplayPort outputs and uses an external USB power source through its Micro USB connection. It supports extended, expansion and mirror modes, while its plug-and-play design does not require additional driver installation. The 150mm cable helps keep the adapter compact and convenient for desktop or mobile workstation setups.

Performance tier: Dual-display 4K 30Hz MST adapter

Uses:dual-monitor workstations, productivity, office computing, graphic design, photography, presentations, multi-screen desktop setups

Overview

The JDA146 mini DisplayPort(TM) to Dual DisplayPort(TM) Adapter allows you to connect up to two DisplayPort(TM) monitors from a single Mini DisplayPort(TM) output. The JDA146 utilizes multi-stream transport (MST) protocol, supporting up to 2 displays independently at up to 4k @ 30Hz each with DP 1.2.

Description

The j5create JDA146 is a Mini DisplayPort to Dual DisplayPort adapter designed for users who need to connect two DisplayPort monitors to a compatible computer with one Mini DisplayPort output. Its Multi-Stream Transport (MST) functionality allows two displays to operate simultaneously and independently when the host graphics hardware supports the required DisplayPort 1.2 MST and HBR2 capabilities.

With support for resolutions up to 3840 x 2160 at 30Hz, the JDA146 is suitable for high-resolution productivity environments, office workstations, photography, graphic design and other applications that benefit from additional desktop space. The adapter supports extended, expansion and mirror modes, allowing users to configure their displays according to their workflow.

The JDA146 features one Mini DisplayPort male host connector and two female DisplayPort video outputs. It is USB-powered and includes a Micro USB power cable. The adapter is designed for plug-and-play use without additional driver installation, making setup straightforward on compatible systems.

System compatibility is important when using the JDA146. Independent dual-display operation requires a graphics card or video source with DisplayPort 1.2 and MST plus HBR2 support. The official specifications also state that macOS does not support MST extended mode and therefore limits the adapter to mirror mode. When connected to an older DisplayPort 1.1 or earlier video source, the adapter operates as a splitter with mirroring and resolution limitations.

Features

The JDA146 provides a compact way to add two DisplayPort displays to a compatible Mini DisplayPort computer while keeping the setup simple and portable.

- Dual DisplayPort output: Connect up to two DisplayPort monitors from one Mini DisplayPort source.
- 4K display support: Supports resolutions up to 3840 x 2160 at 30Hz for each display when compatible system requirements are met.
- MST technology: Multi-Stream Transport enables independent dual-display operation on supported systems.
- Multiple display modes: Supports mirror, extended and expansion modes.
- Plug-and-play: No additional driver installation is required for supported systems.
- USB powered: Requires an external USB power source and includes a Micro USB power cable.
- Compact design: The lightweight 42.5g adapter is suitable for desktop and mobile workstation use.
- 150mm cable: Provides a compact connection between the Mini DisplayPort host and adapter body.
- DisplayPort 1.2 support: Designed for systems supporting DisplayPort 1.2 with MST and HBR2 for independent dual-display output.

System Requirements

- The graphics card for DisplayPort 1.2 with MST+HBR2
- Available DisplayPort alt mode over USB type-C port
- Mac OS X does not support MST + HBR2
- Requires an external USB Power source (USB cable included)
- Extended dual HDMI supported by Windows only (Microsoft Surface Pro2, Pro3, Pro4, Book supports MST+HBR2)

What's in the Box

- 1 x j5create JDA146 Mini DisplayPort to Dual DisplayPort Adapter
- 1 x USB Micro USB power cable, 200mm
- 1 x Quick Installation Guide

Specifications

Hardware

Connector Type	Passive
Interface	
Host Interface	Mini-DisplayPort (20 pin) Male
Video Interface	DisplayPort (20 pin) Female
Power	
Power Source	USB-Powered
Physical Specifications	
Housing Material	Plastic
Dimensions	Main body: 7.6 (W) x 3.3 (H) x 1.6 (D) cm
	Cable length: 5.9 in./15 cm
Weight	Approximately 0.0425 kg

FAQ

What is the j5create JDA146 used for?

The JDA146 is used to connect up to two DisplayPort monitors to a compatible computer with a Mini DisplayPort output.

Does the JDA146 support dual 4K monitors?

Yes. It supports up to two displays at 3840 x 2160 at 30Hz each when the host system meets the required DisplayPort 1.2 MST and HBR2 specifications.

Does the JDA146 support extended desktop mode?

Yes. Extended and expansion modes are supported on compatible systems with DisplayPort 1.2 MST and HBR2 support.

Does the JDA146 work with Mac computers?

The adapter can connect to compatible Mini DisplayPort Mac systems, but the official specifications state that macOS does not support MST extended mode. On macOS, the adapter is therefore limited to mirror mode.

Does the JDA146 require USB power?

Yes. The adapter requires an external USB power source and includes a Micro USB power cable.

Does the JDA146 require drivers?

No additional driver installation is required for supported systems. The host computer and graphics hardware must still meet the required DisplayPort and MST specifications.

What graphics specification is required for independent dual displays?

The graphics card or video source must support DisplayPort 1.2 with Multi-Stream Transport (MST) and High Bit Rate 2 (HBR2) for independent dual-display output.

Can the JDA146 mirror the same image on two monitors?

Yes. Mirror mode is supported. The adapter also supports extended and expansion display modes on compatible systems.

What ports are available on the JDA146?

The adapter has one Mini DisplayPort male host connector, two female DisplayPort video outputs and one Micro USB power connection.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/CA-MDPDP4Kx2-J-J5create-JDA146-Mini-DisplayPort-to-Dual-DisplayPort-Adapter-p-165975.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx-computers.co.za/terms-of-use.php
Terms of Sale: https://www.comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-13 18:14:00.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.