

DS-SC0V50PB

Sunix C0V50PB USB-C Portable Mini Dock with USB 3.0 / Gigabit Ethernet / VGA / HDMI

Product Overview

Sunix C0V50PB minidocking - USB3.0 Type-C (Gen1/5GBPs) universal docking station with D-sub+ HDMI+ gigabit Lan+ USB3.0 - FHD HDMI (up to 1920x1200); for windows or MAC, 66x16x102mm + 150mm cable



Specifications

About this product

The SUNIX C0V50PB USB-C Mini Dock expands a compatible Windows, Mac or Chrome computer with USB 3.0, Gigabit Ethernet, HDMI and VGA connectivity from a single USB Type-C port. It supports HDMI or VGA video output up to 1920 x 1200 at 60Hz, USB 3.0 data transfer up to 5Gbps and 10/100/1000Mbps Gigabit Ethernet in a compact 50g design with a 150mm tethered cable. Buy this SUNIX USB-C docking station from our website for a practical portable connectivity solution.

Overview Summary

SUNIX C0V50PB USB-C Portable Mini Dock is a compact 4-in-1 docking station designed to expand a compatible USB Type-C computer with essential connectivity for displays, wired networking and USB peripherals. It provides 1 x USB 3.0 Type-A port, 1 x Gigabit Ethernet port, 1 x HDMI port and 1 x VGA port from a single USB Type-C connection.

The dock supports HDMI or VGA resolutions up to 1920 x 1200 at 60Hz and offers USB 3.0 transfer speeds up to 5Gbps. HDMI can also carry digital audio, while the VGA output is intended for video only. HDMI and VGA cannot operate

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Product Specification Sheet

simultaneously, making the dock suitable for selecting the display connection required for your workstation or presentation setup.

Its compact ABS housing measures 102 x 66 x 16mm and weighs 50g, making it suitable for mobile professionals who need additional connectivity without carrying multiple separate adapters. The C0V50PB is powered through USB Type-C and is designed for compatible Windows, Mac and Chrome systems.

Performance tier: Portable professional connectivity

Uses: laptop connectivity, office workstations, wired networking, external displays, presentations, USB peripherals, mobile work setups

Overview

SUNIX portable Mini Dock (C0V50PB) offers the combined functionality of a 4-in-1 USB 3.0 device docking station, converting a single USB-C port into multiple connection ports, including a HDMI (video & audio), VGA, Gigabit Ethernet network, and USB 3.0 connectivity. There's no need to plug in multiple cables every time you return to your desk, making easy to connect your USB Type-C equipped laptop to a complete workstation.

HDMI/VGA/Ethernet/USB 3.0 connects your USB-C equipped mobile computer to an external display with your choice of HDMI or VGA outputs. You can also connect to the internet and all your necessary external USB peripherals via Ethernet and USB 3.0 ports. This small, multiple-interfaces, tethered cable included, compact dock will replace up to 3 dongles, leaving you more space in your bag and on your desk. It's compatible with major Windows-based PC, Apple MAC-OS, and Google Chrome operation system.

Description

The SUNIX C0V50PB is a compact USB Type-C portable Mini Dock that combines multiple connectivity options into one small device. It is designed for compatible notebooks and computers equipped with a USB Type-C port supporting DisplayPort Alternate Mode. By connecting the dock to one USB Type-C port, users can access USB 3.0, Gigabit Ethernet, HDMI and VGA connectivity.

The USB 3.0 Type-A port supports SuperSpeed data transfer up to 5Gbps, with compatibility for High Speed, Full Speed and Low Speed USB devices. The port also supports USB Battery Charging Specification 1.2 with up to 1.5A output, subject to the available system power supply.

For display connectivity, the dock provides both HDMI and VGA outputs. HDMI 1.4b supports resolutions up to 1920 x 1200 at 60Hz, while the VGA RGB output also supports up to 1920 x 1200 at 60Hz. HDMI and VGA outputs cannot be used synchronously. HDMI supports digital audio output, while VGA does not provide audio output.

The integrated Gigabit Ethernet port supports 10/100/1000Mbps networking with Auto MDIX and uses an RJ45 connection with LED indication. This makes the dock useful for laptops that do not have a built-in wired network port and need a direct Ethernet connection for office networking or other compatible wired network applications.

The compact ABS housing measures 102 x 66 x 16mm and weighs 50g. The integrated USB Type-C cable is 150mm long. The dock is bus powered through USB Type-C and has a stated power consumption of 2W at 5VDC for the Mini Dock itself, excluding power supplied to connected devices.

SUNIX specifies driver-free support for Windows 10 32-bit and 64-bit or later, Mac OS X 10.10 or later, and Chrome OS version 42.x or later. The host USB Type-C connection must support the required Alternate Mode functionality for video output.

Features

The SUNIX C0V50PB provides practical connectivity expansion for compatible USB Type-C computers in a compact portable format.

- USB Type-C connection with USB Type-C Alternate Mode support

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- 1 x USB 3.0 Type-A port for compatible USB peripherals
- USB 3.0 data transfer speeds up to 5Gbps
- 1 x Gigabit Ethernet RJ45 port
- 10/100/1000Mbps Ethernet networking with Auto MDIX
- 1 x HDMI 1.4b output
- 1 x VGA RGB D-Sub output
- HDMI output up to 1920 x 1200 at 60Hz
- VGA output up to 1920 x 1200 at 60Hz
- HDMI and VGA outputs cannot operate simultaneously
- HDMI supports digital audio output
- USB Type-A port supports USB Battery Charging Specification 1.2
- USB Type-A charging output up to 1.5A
- Compact ABS housing
- 50g lightweight design
- 150mm tethered USB Type-C cable
- Green LED indicator for USB link status
- Bus powered through USB Type-C
- Supports extend, mirror and screen rotation display modes
- Driver-free operation on supported Windows, Mac and Chrome systems

What's in the Box

- 1 x SUNIX C0V50PB USB-C Portable Mini Dock
- 1 x Integrated 150mm USB Type-C cable

Specifications

Hardware	
Model	C0V50PB
Description	USB-C Portable Mini Dock with USB 3.0 / Ethernet / VGA / HDMI
USB Standard	USB 3.1 Gen1 Controller Interface (xHCI) Rev1.1
Input Interface	USB Type-C
	USB Type-C Alternate Mode
Output Interface	USB 3.0 Type-A x 1-port
	Gigabit Ethernet x 1-port
	VGA(RGB) x 1-port
	HDMI Ver1.4 x 1-port
LED indicator	Green for USB Link Ready
Power Consumption	USB Bus Power 2W @ 5VDC
	(board only without power output to device)
USB Communication	
Interface	USB 3.1 Gen1 Controller Interface (xHCI) Rev1.1

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Output USB Port	USB Type-A Female Receptacle
	USB 3.0(5Gbps), High Speed(480Mbps)
	Full Speed(12Mbps), Low Speed (1.5Mbps)
No. of Port	1-port
Power source	USB Bus-Power 5V@1.5A from USB Type-C
Power output	USB port supports BC charging v1.2 +5VDC / Maximum 1.5A
Over Current Protection	USB Type-A Port: +5VDC
Ethernet Communication	
Standard	IEEE 802.3/ 802.3u/ 802.3ab
Interface	Gigabit Ethernet
	10/100/1000 Mbps with Auto MDIX
No. of Port	1-port
PCB Connector	RJ45 with LED Indication
Video and Audio Communication	
Mode	Extend mode, Mirror mode, Screen Rotation mode
Standard	HDMI Ver1.4b
	VGA RGB
Video	HDMI: Max resolution up to 1920x1200 @ 60Hz
	VGA: Max resolution up to 1920x1200 @ 60Hz
	Note: HDMI and VGA video output will NOT work synchronously.
Resolution Support	Resolution : Name : Refresh Rate
	640x480 : VGA : 60
	800x600 : SVGA : 60
	1024x768 : XGA : 60
	1280x720 : 720p : 60
	1280x768 : WXGA+ : 60
	1280x800 : WXGA : 60
	1280x1024 : SXGA : 60
	1366x768 : WXGA+ : 60
	1400x1050 : SXGA+ : 60
	1600x900 : - : 60
	1600x1200 : UXGA : 60
	1680x1050 : WSXGA+ : 60
	1920x1080 : 1080p : 60
	1920x1200 : WUXGA : 60
Audio	Digital Audio output over HDMI connectivity
	Note: VGA does not support audio output

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PCB Connector	Standard HDMI Female x 1-port
	VGA D-Sub 15-pin Female x 1-port
Driver Support (Driver Free)	
Windows	Windows 10 (32/64-bit) or above
APPLE MAC	MAC OS X 10.10 (Yosemite) or above
Google Chrome	Chrome OS Version 42.x or above
Environment	
Operation temp.	0 degreesC ~ 60 degreesC (32-140degreesF)
Operation humidity	5 to 95% RH
Storage temp	-20 degreesC ~ 70 degreesC (-4~158degreesF)
Standards and Certifications	
EMC	EUR: CE, EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3
	US: FCC Part 15 Class B
	TAIWAN: BSMI: CNS13438
	JAPAN: VCCI
Green	RoHS, CRoHS, WEEE
Physical Characteristics	
Weight	50g (1.8oz)
Case Material	ABS (plastic)
Dimension	102(L)x66(W)x16(H) mm
	Tethered Cable length: 150mm

FAQ

What is the SUNIX C0V50PB used for?

The SUNIX C0V50PB is used to expand a compatible USB Type-C computer with USB 3.0, Gigabit Ethernet, HDMI and VGA connectivity.

What video resolutions does the SUNIX C0V50PB support?

Both HDMI and VGA support resolutions up to 1920 x 1200 at 60Hz when used with a compatible host system.

Can HDMI and VGA be used at the same time?

No. The HDMI and VGA video outputs cannot operate synchronously on the SUNIX C0V50PB.

Does the SUNIX C0V50PB support Gigabit Ethernet?

Yes. The dock provides 1 x RJ45 Gigabit Ethernet port supporting 10/100/1000Mbps networking with Auto MDIX.

How fast is the USB port on the SUNIX C0V50PB?

The USB Type-A port supports USB 3.0 data transfer speeds up to 5Gbps and is also compatible with USB High Speed, Full Speed and Low Speed devices.

Does the SUNIX C0V50PB require drivers?

SUNIX specifies driver-free operation for supported Windows, Mac and Chrome operating systems. The host USB Type-C port must support the required USB Type-C Alternate Mode functionality for video output.

Which operating systems are supported?

The C0V50PB supports Windows 10 32-bit or 64-bit or later, Mac OS X 10.10 or later, and Chrome OS version 42.x or later.

How large and heavy is the SUNIX C0V50PB?

The Mini Dock measures 102 x 66 x 16mm and weighs 50g. Its integrated USB Type-C cable is 150mm long.

Does the USB port provide charging power?

Yes. The USB Type-A port supports USB Battery Charging Specification 1.2 and provides up to +5VDC at a maximum of 1.5A, subject to the available system power supply.

What should I check before using the SUNIX C0V50PB?

Check that the computer has a compatible USB Type-C port supporting USB Type-C Alternate Mode for video functionality. The host system must also provide sufficient USB power for the dock and connected devices.

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/DS-SC0V50PB-Sunix-C0V50PB-USB-C-Portable-Mini-Dock-Buy-p-184835.php>

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