

# DS-2045E-PT

Mini DisplayPort to HDMI or DisplayPort Dock  
with USB 3.0 LAN Hub

User Manual



rev: 200512  
Made in Taiwan

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## INTRODUCTION

The **DS-2045E-PT Mini DisplayPort to HDMI or DisplayPort Dock with USB 3.0 LAN Hub** provides a professional way to convert Mini DisplayPort into either HDMI or DisplayPort outputs. It ensures Mini DisplayPort-equipped computers such as MacBook (NOT for MacBook 2015 line) or Surface Pro series computers will be compatible with HDMI or DisplayPort display. Besides, compact and lightweight design makes it portable to carry. This Mini DisplayPort Video Dock with USB 3.0 LAN Hub is a versatile tool to expand and enhance your computer's connectivity performance for use at home, in the office, or on the road.

## FEATURES

- DisplayPort 1.2a & HDMI 1.4 compliant
- Supports HDMI and DisplayPort output<sup>1</sup>
- Output resolution supports:
  - HDMI output: up to 4K2K@30
  - DP output: up to 4K2K@60
- Supports built-in 2-port USB3.0 HUB to share USB devices
- Supports USB 3.0 data transfer rates up to 5Gbps
- Supports Gigabit Ethernet up to 1000 Mb/s transfer rates
- Supports multi display modes(Mirror, Extended, Primary) through either HDMI or DisplayPort output
- HDCP 1.4 compliant
- No external power adapter required
- Ultra-compact and lightweight design



1. Only ONE video output can be used, either HDMI or DisplayPort. Does not support both outputs simultaneously. DisplayPort has the first priority.
2. Need both USB and Mini DisplayPort to be able to use this product, and drivers need to be installed for the USB part to function properly.

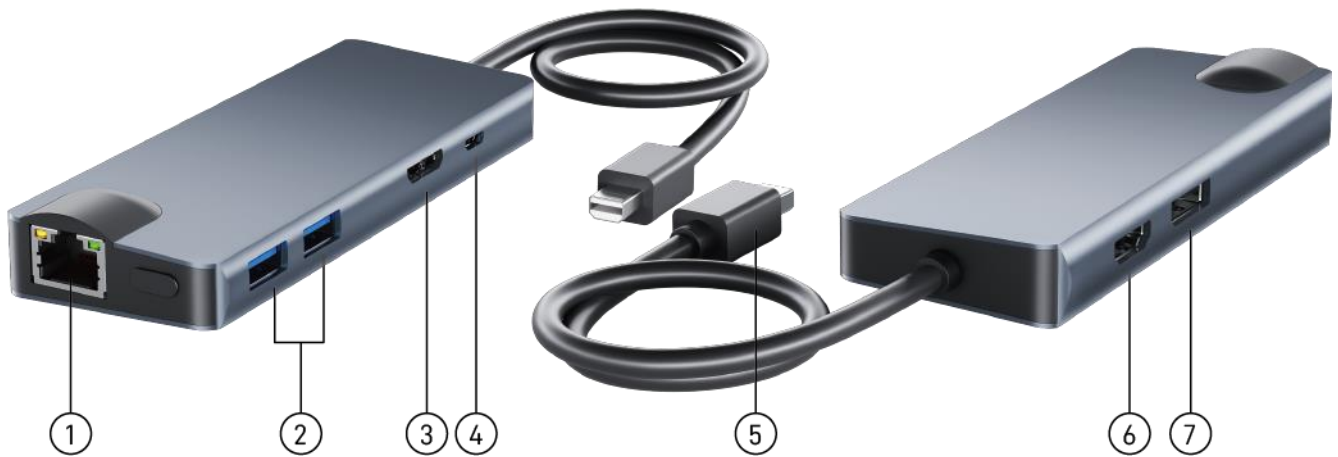
## PACKAGE CONTENTS

- 1x DS-2045E-PT
- 1x USB 2.0 A to Micro B cable
- 1x USB 3.0 A to Micro 3.0 B cable
- 1x User Manual

# SPECIFICATIONS

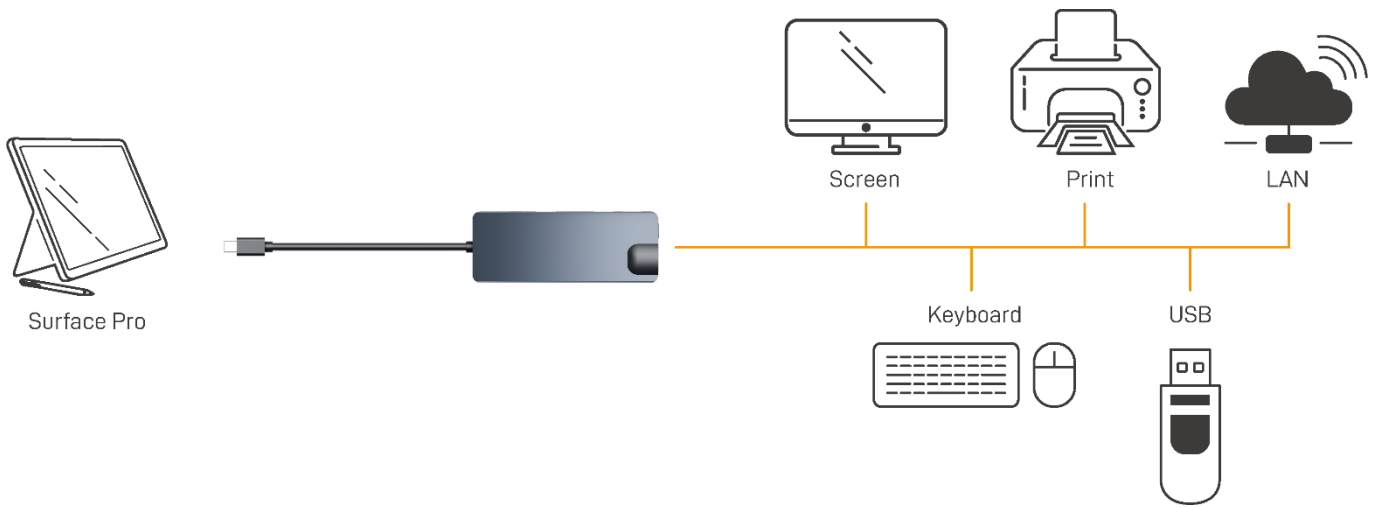
Model Name		DS-2045E-PT
<b>Technical</b>		
Role of usage		Mini DisplayPort Video Dock
HDMI compliance		HDMI 1.4
DisplayPort compliance		DisplayPort 1.2a
HDCP compliance		Yes
Input Video bandwidth		Single-link 600MHz [6.0Gbps]
Video support		HDMI: up to 4K2K@30 DP: up to 4K2K@60
ESD protection		Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge]
Input		1x Mini DisplayPort + 1x USB 3.0 (Micro Type B)
Output		1x DisplayPort + 1x HDMI + 2x USB 3.0 + 1x RJ-45
HDMI connector		Type A [19-pin female]
DisplayPort connector		Mini DisplayPort & DisplayPort
USB connector		Type A / Micro Type B (USB 3.0)
RJ-45 connector		WE/SS 8P8C
<b>Mechanical</b>		
Housing		Metal enclosure
Dimensions [L x W x H]	Model	121 x 46 x 17mm [4.7" x 1.8" x 0.7"]
	Package	160 x 240mm [6.3" x 9.4"]
	Carton	535 x 320 x 495mm [1'8" x 1' x 1'6"]
Weight	Model	
	Package	
Fixedness		N/A
Power supply		5V
Power consumption		2 Watts [max]
Operation temperature		0~40°C [32~104°F]
Storage temperature		-20~60°C [-4~140°F]
Relative humidity		20~90% RH [no condensation]

## PANEL DESCRIPTIONS



1. **RJ45 (GigaLAN):** Connect to Ethernet network by Ethernet cable
2. **USB 3.0 Ports:** Connect to USB devices such as mice, keyboards, and pen drives
3. **Micro USB 3.0 Type B:** Connect to an available USB port of the computer
4. **Micro USB:** Connect to +5V power supply (for external power if needed)
5. **Mini DisplayPort input:** Connect to the Mini-DP port of the computer
6. **HDMI output:** Connect to a HDMI display by HDMI Cable
7. **DisplayPort output:** Connect to a DisplayPort display by DisplayPort Cable

# CONNECTION DIAGRAM



## WARRANTY

The SELLER warrants the **DS-2045E-PT Mini DisplayPort to HDMI or DisplayPort Dock with USB 3.0 LAN Hub** to be free from defects in the material and workmanship for 1 year from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 1 year warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surge. This warranty is offered by the SELLER for its BUYER with direct transaction only. This warranty is void if the warranty seal on the metal housing is broken.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables and power adapters are limited to a 30 day warranty and must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. **Also, the technical information contained herein regarding the DS-2045E-PT features and specifications is subject to change without further notice.**