IB-DK8801-TB4

Thunderbolt™ 4 DockingStation

Article No.	EAN code
60988	4250078172710

This Thunderbolt™ 4 DockingStation operates in the professional league. A power supply with dynamic Power Delivery of up to 96 W is part of the range of functions. The equipped Thunderbolt™ 4/USB4® downstream interfaces perform with lightning-fast 40 Gbit/s transfer rates and high-resolution video output (single display up to 8K@30 Hz). This versatile device is also downward compatible with Thunderbolt™ 3, USB 2.0, DP Alternate Mode (MFDP) and USB4®. Creative professionals and gamers alike can meet all the challenges of their production workflow with this DockingStation.

Host
Supports
Thunderbolt™ 4 Type-C®
with up to 40 Gbit/s

Multiple Display
Supports 2x 4K@60 Hz

USB interfaces
4x USB Type-A
with up to 10 Gbit/s
2x Thunderbolt™ 4 Type-C®
with up to 40 Gbit/s

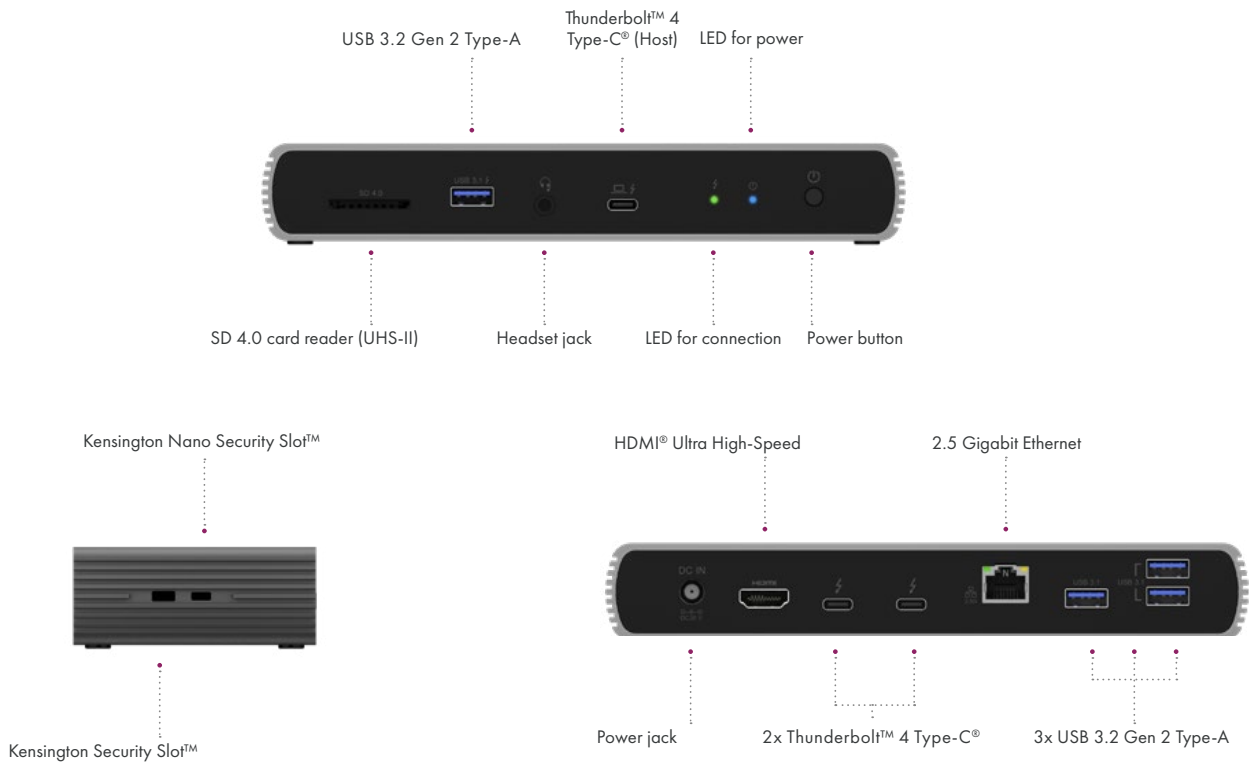**Power Delivery**
up to 96 watts

Headset
3.5 mm combo jack

LAN Port
RJ 45
2.5 Gigabit Ethernet

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VIEWS

USB 3.2 Gen 2 Type-A

Thunderbolt™ 4
Type-C® (Host)

LED for power

SD 4.0 card reader (UHS-II)

Headset jack

LED for connection

Power button

Kensington Nano Security Slot™

HDMI® Ultra High-Speed

2.5 Gigabit Ethernet

Kensington Security Slot™

Power jack

2x Thunderbolt™ 4 Type-C®

3x USB 3.2 Gen 2 Type-A

KEY FEATURES

What is Thunderbolt™ 4?

It is the superset standard that includes USB4®, DisplayPort™ and PCI Express (PCIe). With Thunderbolt™ 4, a data transfer rate of up to 40 Gbit/s (at 2 m cable length) as well as 32 GB/s PCIe data transfer must be guaranteed, at least one 100 W charging port must be available and wake-up from sleep mode must be possible.

What is the difference between Thunderbolt™ 3 and 4?

Theoretically, a Thunderbolt™ 3 device should be able to do the same as a Thunderbolt™ 4 device. However, compared to version 3, Thunderbolt™ 4 now has to meet much stricter standards to be certified. This includes, among other things, support for two 4K displays or one 8K display.

IB-DK8801-TB4 prevents cyber attacks

This is realised through Virtualisation Technology for Directed I/O (VT-d). It prevents physical DMA attacks by protecting PCIe peripherals from unauthorised access to memory using DMA remapping. Access is thus only allowed to an isolated and allocated memory of a specific device.

PACKING CONTENT

- ▶ 1x IB-DK8801-TB4
- ▶ 1x External power supply
- ▶ 1x Power cord with EU plug
- ▶ 1x Thunderbolt™ 4 Type-C® to Type-C® cable
- ▶ 1x Manual

PRODUCT FEATURES

Colour	Material	ON/OFF button	Plug & Play	LED	Cooling	Power supply
Anthracite/ black	Aluminium	Yes	Yes	Power and connection	Passive	External power supply AC 100-240 V; 50/60 Hz; DC 20 V / 6.75 A; 135 W

VIDEO CONNECTION AND DISPLAY OUTPUT MATRIX

	Computer (Type-C®)				
	Thunderbolt™ 4 PC Thunderbolt™ 3 PC USB4® PC	Intel Thunderbolt™ 3 Mac	Apple M1 Mac	DP Alt Mode PC (DP 1.4)	DP Alt Mode PC (DP 1.2)
1x 4K@30 Hz	✓	✓	✓	✓	✓
1x 4K@60 Hz	✓	✓	✓	✓	
2x 4K@60 Hz	✓	✓			
1x 5K@60 Hz Thunderbolt™ Display	✓	✓	✓		
1x 6K@60 Hz Apple Pro Display (XDR)	✓	✓	✓		
1x 8K@30 Hz	✓				

	Computer (Type-C®)			
	iPad®Pro	iPad®Air (≥ 4th Gen)	CHROMEBOOK	Windows® Tablet
1x 4K@30 Hz	✓	✓	✓	✓
1x 4K@60 Hz	✓			

	Single video output	Dual video output
Thunderbolt™ 4 (DCS disable)	8K@30 Hz	4K@60 Hz
Thunderbolt™ 4 (DCS enable)	8K@30 Hz	

SYSTEM REQUIREMENTS

Technical requirements	For maximum resolution
MFDP compatible, which means that it also supports the Type-C® DisplayPort™ Alternate Mode for two video signals at resolution of up to 1080p@60 Hz and data transfer rates of up to 5 Gbit/s	4K-capable displays 3840x2160@30/60 (via Thunderbolt™) Support of DisplayPort™ 1.4 via Thunderbolt™ 4 interface

Supported operating systems	Host compatibility
Windows® / macOS®	USB Type-C®/Thunderbolt™ 3/4 Type-C®

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HOST CONNECTION

Port	Position	Version & Transfer rate	Features
1x Thunderbolt™ 4 Type-C®	Front	Thunderbolt™ 4 (40 Gbit/s)	Supports PD 3.0, 5 V / 9 V / 15 V / 20 V; charging power max. 96 watts; DP Alt Mode; data transfer

USB CONNECTIONS

Port	Position	Version & Transfer rate	Voltage	Current	Power
1x USB Type-A	Front	USB 3.2 Gen 2 (10 Gbit/s)	5 V	1.5 A	7.5 watts
3x USB Type-A	Rear	USB 3.2 Gen 2 (10 Gbit/s)	5 V	900 mA	4.5 watts

THUNDERBOLT™ CONNECTIONS

Port	Position	Version & Transfer rate	Voltage	Current	Power
2x Thunderbolt™ Type-C®	Rear	Thunderbolt™ 4 (40 Gbit/s)	5 V	3 A	15 watts

Note: Thunderbolt™ 4 is downward compatible up to USB 2.0

NEW USB NOMENCLATURE

Legacy USB Standards	Current USB Standards	Data transfer rate
USB 3.0 = USB USB 3.1 (Gen 1)	= USB 3.2 Gen 1	= 5 Gbit/s
USB 3.1 = USB USB 3.1 (Gen 2)	= USB 3.2 Gen 2	= 10 Gbit/s
USB 3.2 (Gen 2x2)	= USB 3.2 Gen 2x2	= 20 Gbit/s

FURTHER IN-/OUTPUTS

Port	Position	Features
Audio in/out	Front	3.5 mm TRRS speaker/microphone combo jack
RJ45	Rear	10/100/1000/2500 BASE-T Ethernet
SD card reader	Front	SD 4.0 UHS-II up to 300 MB/s data transfer rate

SECURITY

Key-Lock
Kensington Security Slot™
Kensington Nano Security Slot™

LOGISTICAL DATA

Packing unit	Total weight	Gross weight (with packing)	Net weight	Dimension/ carton	Dimension (with packing)	Dimension of article	Country of origin
9 pcs./carton	12.62 kg	1.330 kg	0.435 kg	315x305x500 mm	92x290x158 mm	75x200x31 mm	China

For support please contact: support@raidsonic.de
For orders please contact: info@raidsonic.de