ICY BOX®

IB-DK4090-C
12-in-1 mobile DockingStation

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Supercharge your productivity and unleash your multitasking power with the IB-DK4090-C DockingStation. Connect to three 4K monitors at 60 Hz and dive into a world of vivid visuals. Speed is no afterthought, with USB Type-C® ports delivering data at 10 Gbit/s. The integration of DisplayLink® and DP Alt Mode Technology further enhances your display options, all within a stylishly compact design that elevates any workspace.

Host
Supports USB Type-C®

Multiple display
3x HDMI® supports
3x 4K@60 Hz

USB interfaces
2x USB 3.2 Gen 2 Type-C®
4x USB 3.2 Gen 1 Type-A

Data transfer
USB 3.2 Gen 2 up to 10 Gbit/s
USB 3.2 Gen 1 up to 5 Gbit/s

Power Delivery
Version 3.0 up to 85 watts
(pass-through)
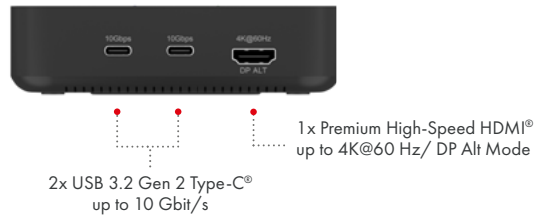
LAN Port
RJ45 Gigabit Ethernet
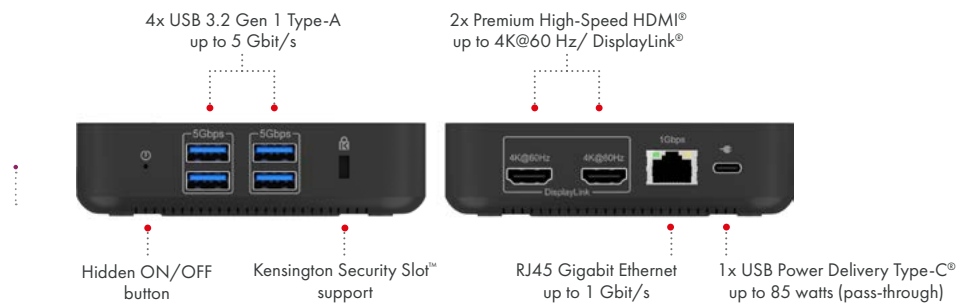
Headset
3.5 mm combo jack

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VIEWS

FRONT VIEW

10Gbps 10Gbps 4K@60Hz
DP ALT

1x Premium High-Speed HDMI®
up to 4K@60 Hz/ DP Alt Mode

2x USB 3.2 Gen 2 Type-C®
up to 10 Gbit/s

REAR VIEW

3.5 mm headset combo jack

SIDE VIEWS

4x USB 3.2 Gen 1 Type-A
up to 5 Gbit/s

2x Premium High-Speed HDMI®
up to 4K@60 Hz/ DisplayLink®

5Gbps 5Gbps

4K@60Hz 4K@60Hz 1Gbps
DisplayLink

Hidden ON/OFF
button

Kensington Security Slot™
support

RJ45 Gigabit Ethernet
up to 1 Gbit/s

1x USB Power Delivery Type-C®
up to 85 watts (pass-through)

KEY FEATURES

Expansive triple 4K visuals

Reimagine your desk as a productivity hub with three 4K monitors at 60 Hz. Your DockingStation lets you create a visually immersive workspace, perfect for designers, editors, and anyone who demands exceptional clarity. Boost your workflow with a multi-display setup that brings your work to life.

Flexible display options

IB-DK4090-C introduces a significant leap in display technology, utilizing DisplayLink® and DisplayPort™ Alternate Mode. This setup, once enhanced by a straightforward driver installation, provides a multi-screen arrangement that enhances productivity and visual engagement.

Rapid data transfer for the fast-paced world

Blast through tasks and files with the ultra-fast data transfer. Featuring two USB Type-C® interfaces capable of 10 Git/s, you can transfer massive files, edit high-resolution photos, and experience smoother workflows than ever before.

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PACKING CONTENT

▶ 1x IB-DK4090-C
▶ 1x Manual

PRODUCT FEATURES

Colour	Material	ON/OFF button	UASP support	Video technology	Cable length	LED	Cooling	Power supply
Black	Aluminium, plastic (ABS)	Yes	Yes	DisplayLink® and DP Alt Mode	100 cm (integrated)	Power and Power Delivery	Passive	Bus-powered

VIDEO CONNECTION AND DISPLAY OUTPUT MATRIX

Video matrix design (Host PC = USB Type-C® DP Alt Mode + DisplayLink®, DP 1.4 HBR3), maximum resolutions

Number of displays	INPUTS (plug-in)			OUTPUT		
	HDMI® 1 (DisplayLink®)	HDMI® 2 (DisplayLink®)	HDMI® 3 (DP Alt Mode)	Display 1	Display 2	Display 3
Triple video output	✓	✓	✓	3840x2160@60 Hz	3840x2160@60 Hz	3840x2160@60 Hz
Dual video output	✓	✓		3840x2160@60 Hz	3840x2160@60 Hz	
		✓	✓		3840x2160@60 Hz	3840x2160@60 Hz
	✓		✓	3840x2160@60 Hz		3840x2160@60 Hz
Single video output	✓			3840x2160@60 Hz		
		✓			3840x2160@60 Hz	
			✓			3840x2160@60 Hz

Video matrix design (Host PC = USB 3.2 Gen1 DisplayLink®, only Display 1 and Display 2), maximum resolutions

Number of displays	INPUTS (plug-in)			OUTPUT		
	HDMI® 1 (DisplayLink®)	HDMI® 2 (DisplayLink®)	HDMI® 3 (DP Alt Mode)	Display 1	Display 2	Display 3
Dual video output	✓	✓		3840x2160@60 Hz	3840x2160@60 Hz	
		✓			3840x2160@60 Hz	
Single video output	✓			3840x2160@60 Hz		

SYSTEM REQUIREMENTS

Supported Operating Systems	Host compatibility
Windows®/macOS®/Chrome OS™/ Ubuntu (Linux) with installed DisplayLink® driver	Compatible with USB Type-C®, Thunderbolt™ 3/4 Type-C® equipped computers Power Delivery and DP Alt Mode function (Display 3) only via Type-C® host computer with Power Delivery and DP Alt Mode support possible No power supply included (only necessary for Power Delivery)

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INTERFACE TO HOST COMPUTER

Port	Position	Version & transfer rate	Features
USB Type-C®	Rear side (integrated cable)	USB 3.2 Gen 2 (10 Gbit/s)	Supports PD 3.0, 5 V/9 V/15 V/20 V Charging power max. 85 watts (pass-through) with data transfer

USB CONNECTIONS

Port	Position	Version & Transferrate	Spannung	Strom	Leistung
4x USB Type-A	Side	USB 3.2 Gen 1 (5 Gbit/s)	5 V	900 mA	4,5 Watt
2x USB Type-C®	Front side	USB 3.2 Gen 2 (10 Gbit/s)	5 V	900 mA	4,5 Watt

FURTHER IN-/OUTPUTS

Port	Position	Version & transfer rate
USB Type-C® Power Delivery	Side	PD 3.0 up to 85 watts (pass-through)
Audio in/out	Side	3.5 mm TRRS headset combo jack
RJ45	Side	10/100/1000 BASE-T Gigabit Ethernet

NEW USB NOMENCLATURE

Legacy USB standards	Current USB standards	Data transfer rate
USB 3.0 = USB 3.1 (Gen 1)	= USB 3.2 Gen 1	= 5 Gbit/s
USB 3.1 = 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
–	= USB4® Gen 2x1	= 10 Gbit/s
–	= USB4® Gen 2x2	= 20 Gbit/s
–	= USB4® Gen 3x2	= 40 Gbit/s

LOGISTICAL DATA

Packing unit	Total weight	Gross weight (with packing)	Net weight	Dimension/ carton	Dimension (with packing)	Dimension of article	Country of origine
20 pcs/carton	8.560 kg	0.360 kg	0.255 kg	465x315x250 mm	205x150x50 mm	53x91x18 mm	Taiwan

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