




Targus®

DOCKING SOLUTIONS GUIDE


ENTERPRISE

VOLUME ONE

targus.com.au
targus.co.nz



WE BELIEVE PEOPLE SHOULD
BE ABLE TO CONNECT AND
COMMUNICATE SEAMLESSLY,
TO PERFORM AT THEIR BEST
ANYTIME AND ANYWHERE
THEY CHOOSE TO WORK.



Over three decades ago,
Targus pioneered the laptop
carry case category and today
we continue our mission –
partnering with corporations
globally to define and shape the
broader docking solutions market.

Our best selling products enhance
users' connectivity, security and
liberate them to use their devices
almost anywhere and anytime.
So they can get things done.

COMPATIBLE WITH ALMOST 90%
OF DEVICES ON THE MARKET

acer



ASUS[®]
Inspiring Innovation • Persistent Perfection

DELL[™]



lenovo[™]

Windows 10

SAMSUNG

TOSHIBA

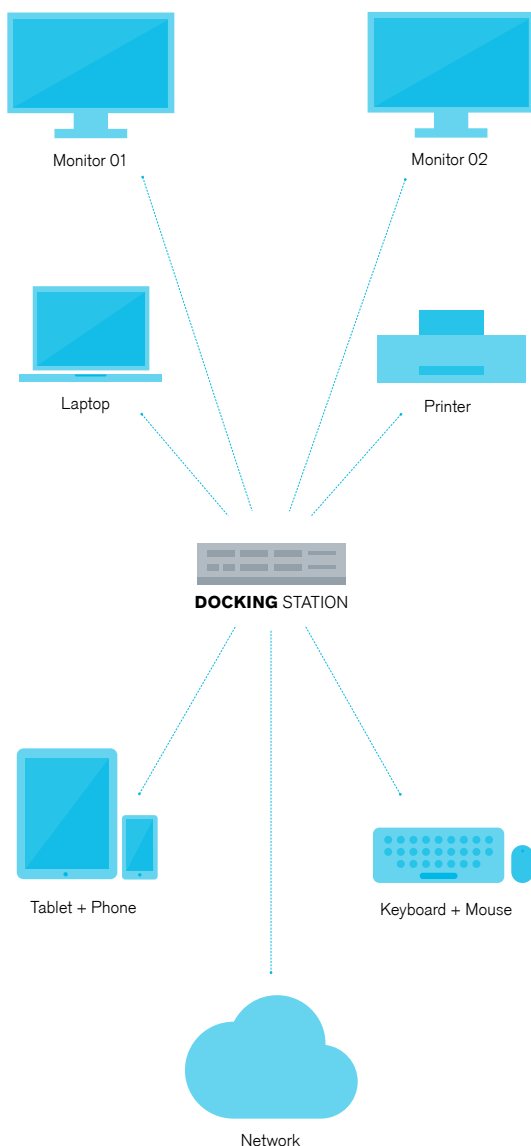
TECHNOLOGY IS DRIVING WORKPLACE CHANGE

Workplace trends are increasingly driven by technology acceleration, as well as changes to workforce composition and nature of employment.

Workforce preferences are shifting away from traditional permanent full-time roles and more people are working out of the office and on the go. Technology is the enabler for this increasing flexibility, which has fueled the uptake of laptops

and tablets as a primary computing platform. A solution is therefore required for these devices to seamlessly integrate with workplaces and connect to agile workspaces.

**TARGUS UNIVERSAL DOCKING STATIONS ARE
AN ESSENTIAL DRIVER OF WORKPLACE CHANGE.**



A UNIVERSAL APPROACH

Targus Universal Docking Solutions are compatible with a majority of mainstream devices and ensure you and your workforce can be productive whenever and wherever they choose to work. Universal being the operative word, our docking stations connect almost any laptop, tablet or smartphone to a variety of peripherals — from monitors to printers, keyboards to external hard drives — via a single cable from your USB port. Perfect for flexible workspaces where laptop charging is essential, and environments utilising multiple operating systems with dual screen set-ups and specialist desks requiring access to high resolution screens.

UNIVERSAL ACROSS CONNECTIVITY AND PROTOCOLS:

- USB-A
- USB-C
- USB 3.1
- DisplayPort Alt Mode
- Thunderbolt 3

UNIVERSAL ACROSS OPERATING SYSTEMS:

- Windows
- MacOS
- Ubuntu Linux
- ChromeOS
- Android

UNIVERSAL ACROSS WORKSPACES:

- ABW
- Agile
- Hot Desk
- Fixed

UNIVERSAL PXE BOOT OPTIONS:

- iPXE
- WinPE

*Universal within the limit of the power and communication specifications of each product

TARGUS ALSO PROVIDES ANALYST SUPPORT
FOR YOUR PROOF OF CONCEPT (POC) PROJECT
FOR MAJOR DOCKING IMPLEMENTATIONS.

WHY CHOOSE TARGUS?

THREE MAIN REASONS WHY **ASX/NZX** COMPANIES AND LARGE ORGANISATIONS CHOOSE TARGUS.

1.

UNIVERSAL COMPATIBILITY

Targus Universal Docks are compatible with ~90% of devices on the market today.

2.

EXCLUSIVE ENTERPRISE SOFTWARE

Targus' exclusive software provides superior performance for companies looking to embrace activity based and connected workplaces.

3.

PATENTED CHARGING

Targus' patented universal power tip technology provides support for legacy connections and increases hardware lifecycle usage rates.

FREE TRIAL PROGRAM: Targus' FREE docking trial program and proof of concept (POC) is supported to eliminate risk.*

YOU'RE IN GOOD COMPANY

It's the reason why companies and organisations like Lendlease, NSW Department of Transport, Department of Finance, Services and Innovation, Westpac, The University of Sydney, Insurance Australia Group, Rio Tinto, Commonwealth Bank, Fonterra, Xero and many others across Australia and New Zealand choose Targus for large scale enterprise implementations.



BHP

Commonwealth Bank
of Australia



Deloitte.



RioTinto



Westpac

*Criteria applies.

UNIVERSAL DOCKING STATIONS

DOCK190AUZ

DOCK180AUZ

DOCK177AUZ



A.



DOCK177AUZ

The only USB 3.0 dual 4K video docking station to deliver integrated power and charging for most 19- 20VDC laptops and up to 90W, this solution can keep your laptop, as well as your productivity humming all day long. This docking station is designed to support multiple host platforms across a broad range of compatible peripherals and devices.

With four USB 3.0 ports and one USB 3.1 Type-C port, plus an Audio In/Out port for speakers, mics or earphones, it's easy to customize your workstation. Charging tips are also included to ensure compatibility with most laptop brands. They're all neatly stored within an optional removable compartment in the dock. Its compact size makes it perfect for tight spaces and its wedge design supports "zero desk space" applications while enabling more cooling for the host.

Accessories included:

1.8M host connection cables

Optional:

- USB-C Multiplexer Adaptor (ACA44AUZ) to join USB3.0 and legacy power into a USB-C connector
- 3-Way Active DC Charging Cable (ACC1009AUX) to connect multiple power tips and remove the need to change power tips

B.



DOCK180AUZ

Get the most out of your workstation with two ultra-high-definition monitors. Plug them in with the USB-C Universal DV4K Docking Station with Power, which is Thunderbolt™ 3 compatible and supports both DisplayPort™ and HDMI. It has four USB 3.0 ports and one USB 3.1 Type-C ports for workstation essentials like a mouse and keyboard.

It'll help keep your laptop and your productivity, humming all day long as it delivers integrated power and charging for most USB-C laptops up to 60W which is sufficient to support 65W laptops. The dock also saves desk real estate with a wedge design to prop up your laptop and combines power with productivity in just one compact size.

Accessories included:

1.0M USB-C host connection cable

Optional:

- 1.8M USB-C host connection cable
- USB-C De-Multiplexer Adapter (ACA42AUZ) to split USB-C into USB 3.0 Type-A connector and legacy power

C.



DOCK190AUZ

Create productive, high-performance workspaces by extending your laptop screen with two external 4K Ultra HD monitors. Targus USB-C™ Universal DV4K Docking Station with 100W USB-C and 90W Legacy Power offers the widest connectivity compatibility for both USB-C and USB-A devices, across most brands and operating systems including Thunderbolt™ 3 devices.

High power charging is built-in for all USB-C devices up to 100W plus 90W Universal power charging is also built in for legacy USB-A laptops. You can also boost your laptop connectivity with added USB ports to plug in any of your essential accessories.

Accessories included:

1.0M USB-C and Legacy charging host connection cables












Optional:

- 1.8M USB-C host connection cable
- 1.8M Legacy charging host connection cable
- 3-Way Active DC Charging Cable (ACC109AUX) to connect multiple power tips and remove the need to change power tips

Find out which is right for you using our selection guide



DOCKING SELECTOR

CHOOSE BY	MOBILE SET UPS									
	Solutions for those who work on the move.									
CONNECTION ENVIRONMENT	 USB Type-A USB 3.0 Type-A Host		 USB Type-C DP Alt Mode or Thunderbolt 3 Host (not USB 3.1 Type-C compatible)		 USB Type-A USB 3.0 Type-A Host					
CHARGING CAPABILITIES	NO CHARGING		NO CHARGING		USB-C PD PASS THRU Up to 60W		NO CHARGING		LEGACY (90W)	
RESOLUTION CAPABILITIES	SINGLE VIDEO 2K	DUAL VIDEO HD	SINGLE VIDEO 4K	DUAL VIDEO N/A	SINGLE VIDEO 4K	DUAL VIDEO N/A	SINGLE VIDEO 2K	DUAL VIDEO HD	SINGLE VIDEO HD	DUAL VIDEO HD
MONITOR STANDARDS	HDMI VGA		HDMI VGA		HDMI VGA miniDP		DP HDMI DVI-I VGA**		DP HDMI VGA*	
DOCKING SOLUTION	DOCK110  ✓ TAA Compliant		DOCK411  ✓ TAA Compliant		DOCK412  ✓ TAA Compliant		DOCK120 		ACP7103 	
USB-A TO USB-C TRANSITION CAPABILITY	 Via adapter		Not compatible with USB 3.0		 Via adapter		 Via ACA44AUZ Multiplexer			

WE UNDERSTAND HOW IMPORTANT IT IS TO CONFIGURE THE RIGHT SET UP IN YOUR WORKPLACE. NO MATTER YOUR REQUIREMENTS, TARGUS HAS YOU COVERED.

STATIONARY SET UPS

Solutions for those who work in a **fixed space**.



USB Type-A

USB 3.0 Type-A Host



USB Type-C

USB 3.1 Type-C, DP Alt Mode
Thunderbolt 3 Hosts



USB Type-A and Type-C Plus Charging

Mixed USB 3.0 Type-A, USB 3.1 Type-C,
DP Alt Mode, Thunderbolt 3 Hosts

LEGACY (90W)

USB-C (60W)

USB-C (100W) +
LEGACY (90W)

USB-C (60W) +
LEGACY (90W)

USB-C (60W) +
LEGACY (60W)

USB-C (100W) +
LEGACY (90W)

ALL
VIDEO

2K

ALL
VIDEO

4K

ALL
VIDEO

4K

ALL
VIDEO

4K

DP
DVI

DP
HDMI

DP
HDMI

DP
HDMI

ACP7703



DOCK177



✓ TAA Compliant

DOCK180



✓ TAA Compliant

DOCK190



✓ TAA Compliant

DOCK177
+ACA44AUZ



✓ TAA Compliant

DOCK180
+ACA42AUZ



✓ TAA Compliant

DOCK190



✓ TAA Compliant

✓
Via ACA44AUZ
Multiplexer

✓
Via ACA42AUZ
De-Multiplexer

USB-C ↔ USB-A
✓

✓

USB-C → USB-A
Via ACA42AUZ
De-Multiplexer

USB-C ↔ USB-A
✓

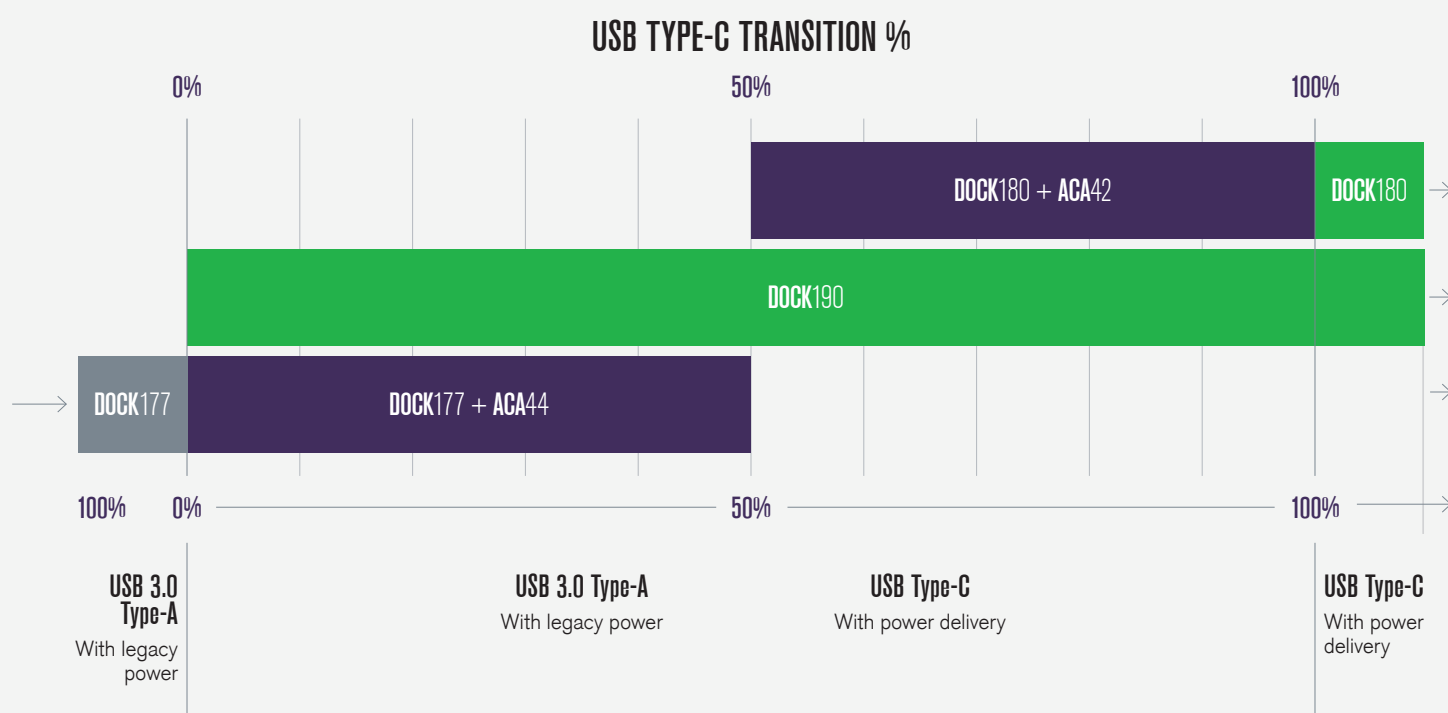
CHOOSING A UNIVERSAL DOCKING SOLUTION FOR A USB-C TRANSITION PLAN

Making the right decision ensures you get the right things done in the future. Targus makes this an easy decision just by following three simple steps.

1. Understanding the transition journey
Take down the make, model and part number of any Type-C Power Delivery devices
2. Legacy support
Take down the make, model and part number of any Legacy Power Delivery devices
3. Your transition
Where are you in the USB-C transition?

Targus' patent for Universal Legacy (non USB-C) charging of PC Laptops from a USB docking station ensures customers do not need to use AC adaptors.

Targus provides compatible charging for 18.5-20 Volt PC computers including HP, Dell, Lenovo, Toshiba, Acer, ASUS and more.



DOCKING STATION POWER OUTPUT RATING

	LEGACY POWER DELIVERY	TYPE-C POWER DELIVERY	AC OUTLETS REQUIRED
DOCK177AUZ	90W	N/A	1
DOCK177AUZ + ACA44AUZ	90W	60W	1
DOCK190AUZ	90W	100W	1
DOCK180AUZ + ACA42AUZ	60W	60W	1
DOCK180AUZ	N/A	60W	1

SUPERIOR SOFTWARE EQUALS SUPERIOR PERFORMANCE

Targus' exclusive software supplied with the Universal Docking Station maximises performance for companies who are looking to embrace more agile and connected workplaces.

Our software is the product of extensive in-market research and testing. Our wide market experience and insights are drawn from an unmatched commitment to support enterprise deployment and integration. We analyze and fix common end-user problems and address the often complex issues faced by IT, infrastructure and project delivery teams.



USER EXPERIENCE BENEFITS (UX)



AV CONFIGURATION

Developed with the user in mind — the utility automatically configures displays and saves icon and application window locations. The utility was developed to improve the user experience (UX) in Activity Based Workspaces. Another enabler for getting things done.



IT USER EXPERIENCE BENEFITS (IT UX)



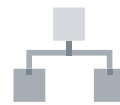
WIFI AUTO SWITCH

Improved network switching between WiFi and Ethernet LAN when using a Targus Universal Docking Station (UDS).



M.A.C ADDRESS CLONING

Improves security around network access.



GHOST DEVICE REMOVAL

Automatically purges old Windows registry records associated to previously used Targus Universal Docking Stations (UDS) for optimum performance.

USB TYPE-C DOCKING STATION TO HOST COMPUTER COMPATIBILITY

		INDUSTRY DOCKING STATIONS Type-C Protocol					TARGUS DOCKING STATIONS USB 3.1 Gen 1 Type-C		
		DOCKING STATION TYPE							
COMPUTER TYPE		USB3.1 Gen 1	USB3.1 Gen 2	Display Port ALT MODE	THUNDERBOLT 3 Alpine Ridge	THUNDERBOLT 3 Titan Ridge	DOCK177AUZ + ACA44AUZ	DOCK180AUZ	DOCK190AUZ
	USB3.1 Gen 1	✓	⚠ Reduced to Gen 1 operating speed	✗	✗	✗	✓	✓	✓
	USB3.1 Gen 2	✓	✓	✗	✗	✗	✓	✓	✓
	Display Port ALT MODE	✓	✓	✓	✗	⚠ Limited resolution	✓	✓	✓
	THUNDERBOLT 3 Alpine Ridge	✓	✓	✓	✓	✓	✓	✓	✓
	THUNDERBOLT 3 Titan Ridge	✓	✓	✓	✓	✓	✓	✓	✓

GENERAL ADMINISTRATIVE USERS

~ **80%**

Will have

USB3.1

Gen 1 or 2
host computers

MIDDLE MANAGEMENT / SPECIALIST

~ **15%**

Will likely
have

USB3.1 / DP ALT MODE / THUNDERBOLT

host computers

EXECUTIVE MANAGEMENT

~ **5%**

Will be more likely
to have

THUNDERBOLT 3

host computers

IN A TYPICAL
CORPORATE
WORKPLACE, AN
EMPLOYEE'S ROLE IS
LIKELY TO DETERMINE
THEIR COMPUTER
HARDWARE.
THE MORE EXPENSIVE
IT IS, THE MORE
SOPHISTICATED
THE HOST DOCKING
PROTOCOL.

DOCKING STATION COMPARISON CHART



PART NUMBER	DOCK177AUZ	DOCK180AUZ	DOCK190AUZ
Product Description	USB 3.0 Dual Video 4K Docking Station with 90W Power	USB-C Universal Dual Video 4K Docking Station with 60W Power	USB-C Universal Dual Video 4K Docking Station with 100W Power
Integrated Power Charging	✓	✓	✓
Power Output Wattage for PC (up to)	90W (19V)	USB-C PD Profile 4 60W	USB-C PD up to 100W Legacy up to 90W (19.5V)
Integrated Storage (vendor power tips)	Optional	-	-
Video Port Total (monitor connectors)	4	4	4
- DisplayPort	DP1.2 x 2	DP1.2 x 2	DP1.2 x 2
- HDMI	HDMI 2.0 x 2	HDMI 2.0 x 2	HDMI 2.0 x 2
- VGA	-	-	-
Video Adapters Included	-	-	-
4k Capable	✓	✓	✓
Max Video Output (up to)	Single video: 4K60p / Dual video: 4K60p	Single Video: 4K60p/Dual Video: 4K60p	Single Video:4K60p / Dual Video: 4K60p
Video Port Resolution (up to)	4096x2160, 60Hz	4096x2160, 60Hz	4096x2160, 60Hz
Downstream USB Port Total	5	5	5
- USB-C	1 (data only)	1 (data only)	1 (data only)
- USB 3.0 SuperSpeed	4 (incl. 1x fast charging)	4 (incl. 1x fast charging)	4 (incl. 1x fast charging)
- USB 2.0 HiSpeed	-	-	-
Gigabit Ethernet	✓	✓	✓
Audio	✓	✓	✓
Security Lock Slot	✓	✓	✓
Windows (XP, Vista, 7, 8, 10)	✓	✓	✓
Mac OSX	✓	✓	✓
Chrome OS	✓	✓	✓
Design Type	Horizontal (Wedge)	Horizontal (Wedge)	Horizontal Block
Warranty	3 Years	3 Years	3 Years
Included Accessories	1.8M host connection cables	1.0M USB-C host connection cable	1.0M host connection cables
Optional Accessories:			
- USB-C Multiplexer Adaptor (ACA44AUZ)	✓	-	-
- USB-C De-Multiplexer Adapter (ACA42AUZ)	-	✓	-
- 3-Way Active DC Charging Cable (ACC1009AUX)	✓	-	✓
- 1.8M USB-C host connection cable	-	✓	✓
- 1.8M Legacy charging host connection cable	-	-	✓



GET THINGS DONE

WHAT OUR CLIENTS SAY ABOUT US

“Fonterra have been really pleased with the level of involvement from Targus from the decision making stage, through implementation to the final testing stage. The Targus team provided excellent knowledge and advice based on their experience of dealing with Activity Based Workplace rollouts”

- Mike Saint, IT Service Owner at Fonterra



SOCIAL AND ENVIRONMENTAL RESPONSIBILITY

At Targus we take pride in how we ethically treat our employees and that our goals towards waste reduction and recycling are met. It's not just about complying with and exceeding industry standards but it's about doing what is right. Targus also endeavours to have a supply chain which is equally capable, efficient and ethical with compliance to leading standards and certifications.

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