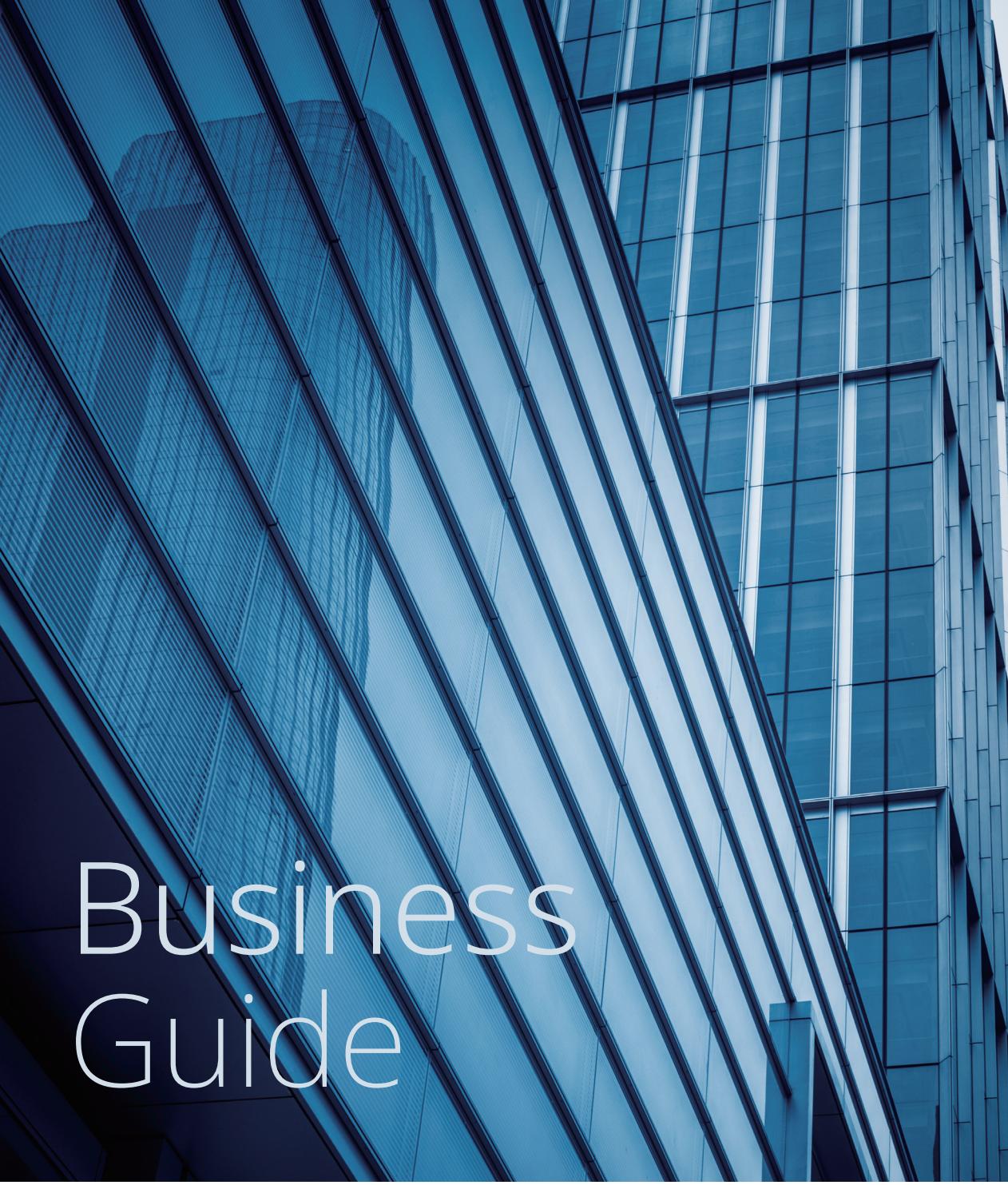




Trusted Business Solutions

A photograph of a modern skyscraper's glass facade, showing a distorted reflection of another building. The image is tinted with a blue-grey color.

Business Guide

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MiniPCs

Displays



No.1 in Quality and Services

-The Wall Street Journal Asia

ASUS is one of Fortune magazine's World's Most Admired Companies, and is dedicated to creating products for today and tomorrow's smart life. Our comprehensive portfolio includes Zenbo, ZenFone, ZenBook and a range of IT devices and components, along with AR, VR and IoT. ASUS employs more than 16,000 people worldwide and over 5,000 world-class R&D talents. Driven by innovation and committed to quality, the company won 4,511 awards and earned approximately US\$13 billion of revenue in 2017.

ASUS is one of the Top Regarded Companies in the World

ASUS Monitors Receive the Largest Number of TÜV

Rheinland Certifications for Low Blue Light Emissions

ASUS is the Most Valuable Brand in Taiwan

ASUS – World's No.1 Motherboard Brand



ASUS Winner of 4,000+ Awards in 2018

ASUS won 4,000+ awards from prominent international organizations and media in 2018 or its commitment to innovation, product design and quality. ASUS's brand promise In Search of Incredible inspires the company to invest in new research and pursue breakthroughs in design and manufacturing techniques. These awards recognize the ASUS drive to achieve its greatest potential and create products that provide a seamless digital life for everyone to enjoy.





Keeping Environment in Mind

We at ASUS are fully committed to creating a sustainable future. We believe in adopting an eco-friendly approach towards every aspect of our business, and in being an active participant in environmental assessment programs for a greener tomorrow. This is where the GreenASUS philosophy comes in — from our internal practices to our production processes — we remain focused on safeguarding our planet.

Green Design

Good design extends beyond mere aesthetics, products should use modular components for simple repairs and prolonged life spans, and be easily recyclable at the end of their life cycle.

Green Manufacturing

Any product is only as green as its manufacturing processes. ASUS adheres to strict guidelines to ensure that hazardous substances like lead and halogens are eliminated during production.

Green Procurement

ASUS is not only committed to reducing its own environmental impact. By ensuring a greener supply chain, it is helping to ensure that steps from shipping to product packaging follow greener principles too.

Green Services and Marketing

Changing its own practices is one thing, but ASUS is also a part of environmental assessment programs and certifications such as EPEAT and TCO for greener technology.

All You Need for Business

ASUS products are designed especially for business, with a full range of products that perfectly meet the requirements of all kinds of business environments. The ASUS portfolio includes, commercial display, digital signage, miniPC, and projector. No matter what scenarios your business is, from retail, enterprise, government, education. There's always an ASUS product to fit your needs.



ASUS Business Monitor

Designed with professionals in mind, the versatility, usability and reliability of ASUS business monitors make them the ideal partner for your business.



ASUS Projector

ASUS LED projectors are designed for outstanding flexibility. Their compact design is combined with superb visual performance, makes them perfect for small meetings or on-the-go use.



ASUS Media Playback Box

With a wide variety of possible configurations, ASUS Media Playback Box is perfect for retail, education, government and small or medium-sized businesses. It features unique content playback software to easily refresh content, along with advanced remote management that minimizes downtime while lowering costs.



Exclusive ASUS Software

ASUS digital signage solutions include easy-to-use software for managing the display of content (ASUS SignArrange) and for remote signage monitoring and control.



ASUS Mini PC

ASUS Mini PC cram all the functions you need. Despite their space-saving, low profile designs, they deliver the performance you need for a wide range of business applications.

Meeting Room Solutions

Improves team efficiency through real-time collaboration, making it the perfect choice for the modern workplace.

Hangouts Meet hardware kit

Simple access to meetings

Each meeting has an unique, easily shareable URL - no dedicated accounts or plugins required. Tap-to-join dialing in Google Calendar and Hangouts Meet make it easy to join.

Hassle-free and easy collaboration

Just one click to join or start a video conference via the touchscreen control panel and share screens remotely.

4K UHD camera and Speakermic

Captures ultra-high-definition visuals and a 120° field of view. Additionally, a high-quality speakermic box that employs echo-cancellation and noise-suppression technologies to deliver crystal-clear audio.

F1 Projector

Bright, crisp, and powerful projections

It features 1200-lumen brightness and Full HD resolution, providing bright and crisp images measuring up to 210 inches.

H/V keystone and auto focus

Horizontal and vertical keystone adjustment as well as auto focus ensures images are sharp and distortion-free, even when projected from an angle.

Immersive gaming and entertainment experiences

Built-in Harman Kardon® audio technology delivers immersive, high-fidelity 2.1-channel audio that perfectly complements the projected image to ensure games and multimedia sound as good as they look.



Video Conferencing Solution

Mini PC PB series

Space-saving, modern design

A stylish and compact metal case with VESA mount compatibility and an included vertical stand helps you maintain a clutter-free workspace.

Desktop-grade performance

Provides high performance for improved multitasking with Intel® Core™ processors, DDR4 RAM and a dual-storage design.

Loaded with connectivity

Supports up to three displays and a comprehensive set of I/O ports for more efficient and comfortable productivity.

VC65-C1

World's smallest PC with five storage bays

Fits one M.2 SATA/PCIe SSD and up to four 2.5-inch SSDs or HDDs

Fast data performance and large storage capacities

Configured with optional Intel® Optane™ memory* for unmatched system performance.

*Intel Optane memory configurations may vary according to model and region

Compact design

An innovative embedded power adapter design helps save space, so you can place it vertically, horizontally or VESA mount it on a wall or on the back of a monitor.

VC66-C

Flexible triple-storage design

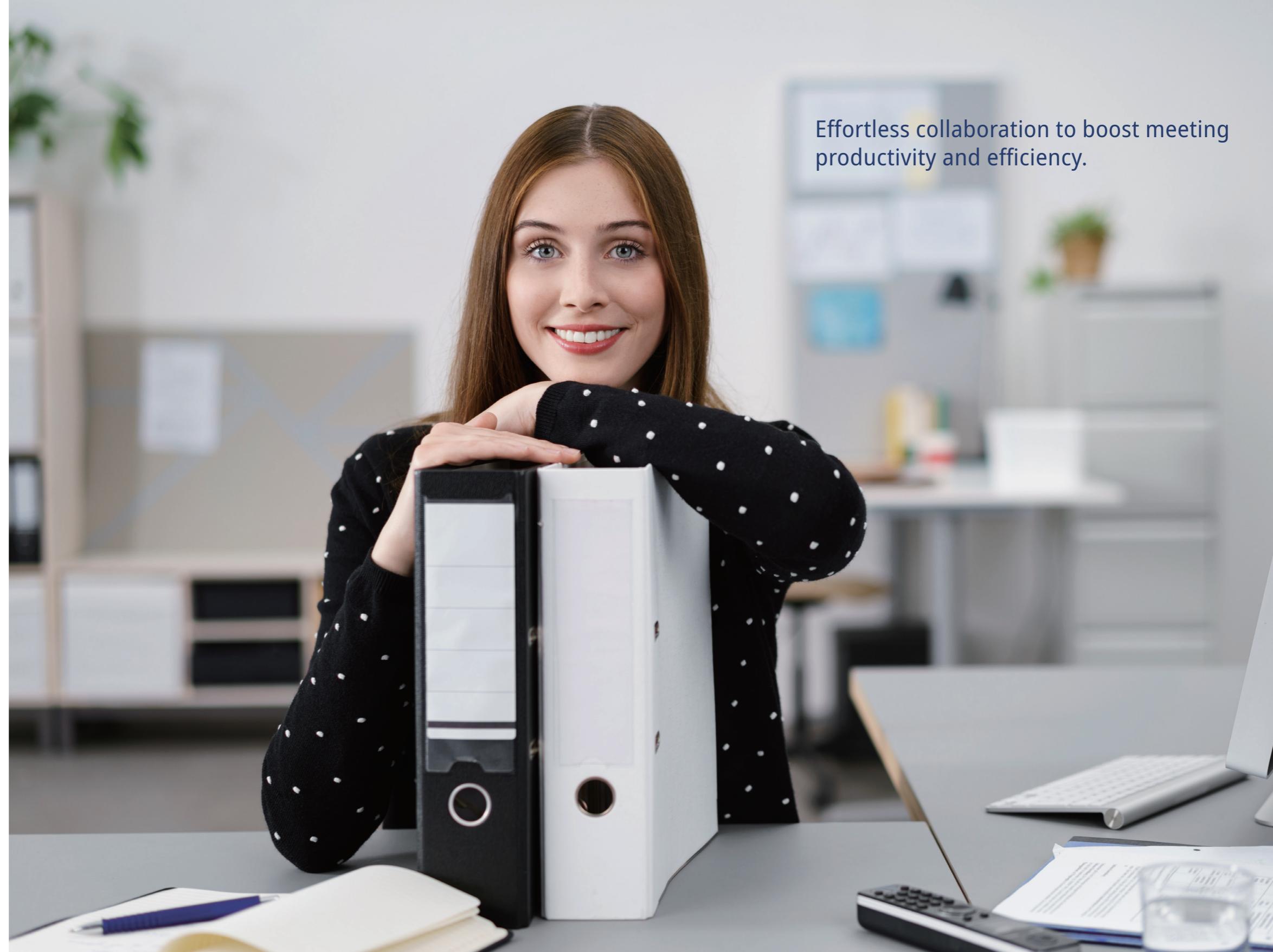
Available with one M.2 SSD for up to 32Gbps data transfer speeds and two 2.5-inch HDDs or SSDs

Optional optical or Blu-ray drive

It has ample room for an optional DVD drive or a Blu-ray drive to provide better multimedia support.

Desktop-grade performance

It takes processor-intensive tasks in stride, thanks to its 65W desktop-grade 8th Generation Intel® Core™ processor and DDR4 memory.



BE24DQLB

Lifelike imagery and 178° viewing angles

A 23.8-inch IPS monitor with a 178° wide-viewing angle gives you no color shift experience.

Easy video streaming with integrated Full HD webcam

It features a built-in Full HD webcam, microphone array and stereo speakers for video conferencing and live-streaming.

Effortless collaboration to boost meeting productivity and efficiency.

Content Creation Solution

Perfect for computer-aided design (CAD) and video editing workflows for architecture, engineering and manufacturing as well as media and entertainment.



Mini PC ProArt PA90

Perfect for 3D CAD applications

Powered by 9th Generation Intel® Core™ processors and NVIDIA® Quadro® graphics, Mini PC ProArt™ PA90 is an ideal tool for 2D and 3D design work as well as photo and video editing.

Fast and efficient workflows

Intel® Optane® technology support provides accelerated, low-latency storage and improved memory efficiency.

Long-term stability

Quiet and efficient CPU liquid-cooling system and adaptive-air-volume thermal design ensures high-performance, long-term stability.

ProArt PA34VC

Extreme Contrast, Astonishing Realism

A 34.1-inch curved monitor with IPS technology, a 21:9 aspect ratio and 3440 x 1440 resolution designed for creative professionals, gamers and home entertainment, and featuring 100% sRGB coverage for rich and vivid color reproduction. Two Thunderbolt™ 3 USB-C connectors provide up to 40 Gbps transfer speeds for plenty of throughput when working with content on external storage devices, as well as daisy-chain capability and power delivery.

Content Creation Solution

Manage multiple tasks simultaneously and see everything at a glance. Whether you are a frequent traveler, a freelancer working from a café, or simply want to enjoy the convenience of portability, ZenScreen is the solution you've been looking for.

ASUS ZenScreen Go MB16AHP Portable USB Monitor

Hybrid-signal Solution: USB Type-A and Type-C Support

It requires innovative hybrid-signals with single USB connection for both power and video transmission from your host device. In addition, with micro HDMI, it provides full compatibility.

Slim and Stylish Ultraportable Design

It is ideal for use as a secondary monitor for dual-monitor presentations, and its versatility helps you get things done more efficiently when you're on the go. It barely tips the scales at a lightweight 0.9kg, and with its ultra-slim 8mm profile it fits easily in any travel bag.

Built to be on the Go

To enjoy the convenience of a truly portable device with 7,800mAh battery built-in that supports up to 4hrs battery life. Support QC3.0 fast battery charging, doubled charging speed in comparison to general adapters. ZenScreen™ is easy works with laptops, and mobile devices.

*Android 5.0 or later required. Device must support Host Storage mode. Windows XP or later required.

Foldable Smart Case

An innovative foldable smart case protects ZenScreen™ from dust and scratches, it can be folded to prop the display up to portrait or landscape orientation. It also has a smart pen hole, where you can insert a pen to prop the screen up when not using the smart case.



All spec vary by model

Content Creation Solution

Ultimate entertainment experiences and maximized productivity for content creators.



ProArt PA32UCX

Capture every detail

The world's first 32-inch 4K Mini-LED professional monitor with 1000-zone dynamic dimming that reduces halo phenomena.

Bring out the true beauty of your pictures

It features up to 1200-nit brightness, true 10-bit color with outstanding W/R/G/B uniformity, support for DCI-P3 and Adobe RGB wide color gamuts.

Versatile and ultrafast connections

It includes dual Thunderbolt™ 3 ports, DisplayPort and HDMI interfaces for versatile connectivity.

Multiple HDR format support

HDR-10 ensures compatibility with existing streaming video and HDR-enabled games while hybrid log gamma (HLG) support addresses broadcast and satellite TV.

Gaming Station GS50

Intel Xeon W processor

It features 10-core server-class CPU to deliver powerful performance for gaming and productivity.

24/7 Reliability

It has 32GB of error correcting code (ECC) memory ensures data integrity for improved system stability.

Realistic, and ray-traced graphics

NVIDIA GeForce RTX2080 graphics enable smooth gameplay with incredible realism and dramatically reduced graphics rendering times.

Liquid Cooling for Optimum Reliability

Provides quiet, efficient cooling and ensures the best system stability.

Retail Solution Gaming Bar



VT229H

Stunningly Vivid Display

It features 21.5-inch Full HD frameless IPS panel with 178° wide viewing angles exudes color performance for stunning and vivid visuals.

An Incredibly Intuitive Touch Experience

Smooth and intuitive touch experience with capacitive 10-point multi-touch capability and Win10 compatible.

Cost-effective and flexible

Compared with high-expense industrial POS machine, VT229H plus mini PCs may serve as a more cost-effective POS solution with flexibility.



ROG Strix XG438Q

Bring out details and Cinema-grade color gamut

43-inch 4K HDR with DCI-P3 color gamut delivers contrast and color performance that meets DisplayHDR™ 600 certification.

Super-smooth gaming visuals

Super-fast 120Hz with Radeon™ FreeSync 2 HDR technology provides buttery-smooth gameplay, low latency, and better brightness and contrast.

Premium audio enjoyment

ASUS SonicMaster technology that delivers incredible audio fidelity through the two built-in 10W stereo speakers for rich, satisfying sound.

Mini PC PN & PB series

24/7 reliability

Extensively tested to ensure long-term dependability.

Energy-efficient design

Reduces environmental impact while helping to lower operating costs.

Space-saving design

The ultracompact PN series and ultraslim PB series can be mounted easily to the back of any VESA-compatible display, making them perfect for POS or digital signage applications.

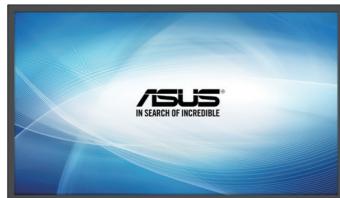
SD434-YB

Seamless Vision for Impactful Messaging

It features 350 cd/m² Full HD and 3000:1 high contrast ratio with 178-degree wide-view angle.

Plug 'N' Play capabilities

Built-in multimedia player and dual 10W speakers that supports a variety of file format and clear audio to accompany the visuals. It is a cost-effective solution that is easy to set up too, giving users a high return on investment in SMB business.



Touch Makes Communication Better

IT utilizes the latest touch solutions to give you fingertip and stylus input for more interactivities. Its energy-efficient Full HD 350 nits LED-backlit display features wide 178° viewing angles and four-point touch capabilities. It also built-in 10W speakers for complete audiovisual experience. SP6540-T is suited for a myriad of uses, and is ideal for use in classrooms, boardrooms, or in TV studios.

ASUS SP6540-T Interactive Whiteboard Touch Display

Mini PC PN series

Ultracompact design

It can be placed almost anywhere and even attached to the back of a display with a VESA mount for a space-saving, all-in-one solution.

Convenient connectivity

It provides comprehensive connectivity with multiple ports to support dual displays or digital whiteboards for more interesting teaching and learning.

Stunning 4K UHD resolution

Students can enjoy watching video and viewing images in stunning 4K UHD resolution.

Chromebox 3

Great manageability

Set up in minutes and centrally manage devices across your school.

Well-protected

Account-based data access protects privacy and makes it ideal as a shared computer.

Extremely affordable

Made to lower your total cost of ownership with a value-packed combination of hardware and software.



Easy One-Stop Solutions for Your Business

Fast-growing businesses face the challenges of rapidly-evolving IT needs. ASUS is well-aware of the importance of quality, reliability, and flexibility in today's competitive environment, and offers a broad portfolio of products that caters to the needs of today's businesses.

ASUS understands the key requirements of digital signage solutions and their audiences; and offers a wide range of digital signage and specialized hardware designed for a myriad of uses. ASUS total signage solutions include players ranging from computsticks, miniPC, workstation to server.



ASUS Total Digital Signage Solutions

Transportation

ASUS Digital Signage solutions make for ideal information points at bus and train stations, or airports — displaying vital information like departures and arrival times, delay and cancellation announcements, timetables, and travel tips.

Retail

Bright vivid images help get your message across, allowing you to cut through advertising clutter so you can capture the attention of customers.

Enterprise

ASUS helps get your ideas across. Our digital signage solutions give you an effective way to communicate with a large audience.

- SP6540-T
- SD Series
- SE Series
- SA Series

Education

In the classroom, they help bring lessons to life. High-definition videos and true-to-life colors keep your students fully engaged.

- SD Series
- SA Series
- SP6540-T

Plug 'N' Play for Stunning Audiovisuals

ASUS SE Series feature Full HD panels with wide 178° viewing angles ensures little or no color shift when you're viewing from extreme angles. An embedded ambient light sensor automatically adjusts display brightness depending on environmental conditions. These displays feature built-in multimedia player and 4GB of onboard memory — more than enough to store a wide range of media files.

Ambient Light Sensor for Clear in any Environment

An ambient light sensor intelligently adjusts display brightness depending on environmental conditions, ensuring you only get the best images anytime, anywhere.

Plug N' Play Convenience and Extensive Connectivity

Supports a multiple format even Microsoft office documents it can automatically detects and plays via USB drive. There is also a built-in 4GB of storage space.

Industrial-Grade 24/7 Reliability and Durability

LED displays are incredibly efficient, consuming 20 to 50% less energy than conventional CCFL backlight displays. A scratch-resistant metal chassis ensures unrivalled durability.

Power Built-in 10W Speakers

Built-in twin 10W speakers to provide quality audio to accompany what's onscreen.



SE Series Commercial Media Player Display

The Cost-effective Media Solution



ASUS SD Series features Full HD resolution with wide 178° viewing angles and built-in multimedia player that automatically detects and plays a variety of media file formats. These displays also feature built-in powerful speakers.



SD Series Plug 'N' Play Commercial Display

User-Friendly Design

VESA-compatible and cable-free playback. It's lighter than other displays, making it easy for you to set up on your own.*

* Specifications may vary by model

Plug N' Play with Multimedia

Supports various video, audio, and image file formats to give you more options when it comes to display materials via USB drive with automatic detection.

Vivid Visuals Even from Extreme Angles

Wide 178° viewing angle panel eliminates color shift when audience viewed from different angles.

Powerful Built-in Speakers

Built-in twin speakers to provide quality audio to accompany what's onscreen.

The Smart Android OS Signage

The SD433 & CA001 digital signage system features a built-in smart timer to make content scheduling easy, while a Watchdog function automatically reboots the system whenever a fault is detected. The system also features RS-232 port, RJ45 port and Wi-Fi with an antenna connector so you can easily manage multiple signage installations.

The Smart, Cost-effective Media Solution

ASUS SA Series features a Full HD panel with 178-degree wide-viewing-angles. Embedded Android™ OS signage has an all-in-one design with built-in media player and speakers, it also built in G-sensor, it can automatically switches display orientation between landscape and portrait modes. SA series represents a hassle-free and cost-effect media solution for any business.



ASUS
SignArrange
SoC
Android
Multimedia
Player
16G
Onboard
Memory

The Smart Android™ OS Signage

Easy installation of useful Android application packages (APK). It comes with a built-in smart timer to make content scheduling easy; while a RS-232 serial and RJ-45 ports lets you manage multiple signage installations through a linked connection.

ASUS SignArrange: Content Management

It is designed for simple template-based content creation and playback, allowing you to create your own content and store it on a USB drive.



*Terms & conditions apply.

Industrial-Grade 24/7 Reliability and Durability

LED displays are incredibly efficient, consuming 20 to 50% less energy than conventional CCFL backlight displays. A scratch-resistant metal chassis ensures unrivalled durability.

Plug-and-Play Convenience and Extensive Connectivity

It supports various video, audio, and image file formats to give you more options when it comes to display materials via USB drive or microSD card with automatically detection.



SA Series Smart Digital Signage

Easy to Build a Dynamic and Colorful Communication Platform

With a wide variety of possible configurations, ASUS CAX21 Media Playback Box is perfect for retail, education, government and small or medium-sized businesses. It features unique content playback software (optional) to easily refresh content, along with advanced remote management that minimizes downtime while lowering costs.



CAX21 Media Playback Box



Android OS-based

Allows for easy installation of useful Android application packages (APK). It also can deliver a captivating viewer experience with Full HD resolution support.

ASUS SignArrange: An Intuitive Content Management Software

It is designed for simple template-based content creation and playback, allowing you to create your own content and store it on a USB drive without extra cost.

*Terms & conditions apply.

Easy Setup with Landscape & Portrait Modes Support

ASUS CAX21 media playback box supports both landscape and portrait modes. This flexibility makes it ideal for a variety of placements.

VESA Mount Compatible Design

Weighing just 600g, it can be mounted easily on the back of any VESA-compatible display via a wall-mount bracket (optional).

Plug-and-Play Convenience and Extensive Connectivity

The CAX21 features comprehensive connectivity and also supports a wide range of file formats, and automatically detects and plays contents from an USB drive, microSD card or internal storage.



An Intuitive Content Management Software

ASUS digital signage and media playback box* come with the pre-installed ASUS SignArrange** content management software, which is designed for simple template-based content creation and playback. With ASUS SignArrange software, it is easy to display unique commercials, product demos or advertisements for various scenarios without extra cost.

*selected models **Terms & conditions apply.



ASUS SignArrange



Template

Various templates are available and free for editing in horizontal or vertical style.



Auto Play

The Auto Play function works when the media box is powered on.



Schedule

It is allowed to schedule the playlist and deploy contents according to timing.



Recurrence

It supports repeat playing customized contents/ templates.

One on Many Management

This exclusive ASUS Control Center (ACC) is a whole new centralized IT management software. It is capable of monitoring and controlling ASUS digital signage, as well as ASUS server, workstation, laptops, desktop PC, all-in-one PC, thin client, and motherboards, either locally (from the same server), or remotely (using a web-browser). To connect to a network, the administrator can monitor and control multiple digital signage easily in front of PC or remotely by smart devices with browser that supports HTML5.



ASUS Control Center

Monitor hardware status, Intuitive User Interaction

The dashboard and user interface design provides an intuitive user experience. As it's displayed via HTML, you can use the application on different devices via a web browser, for control at anytime and anywhere.

Easy Search for Your Devices

Powerful searching and grouping function with Metadata Editor software, lets you categorize your devices for easy management and fast response to target devices.

Let the System do the Tiring Tasks

Once setup Task Scheduler automatically runs routine tasks such as turning devices on and off.

ASUS Mini PC

Windows-Based Solution for Digital Signage

ASUS Mini PCs cram all the power and functionality you need into a package so small that you'll barely notice it's there — though you won't overlook the sleek style! These miniature marvels are powered by selection of the latest up to Intel® Core™ processors, and give you up to 4K UHD graphics superiority, extensive connectivity, and support for multiple displays — and the space-saving, low-profile design of Mini PCs means they're perfect for wide range of business applications, from digital signage and information kiosks to office desktops. You can even VESA-mount a Mini PC to the back of your display for clean and tidy workstation!



Effective Communication in Public Areas and Transport Hubs

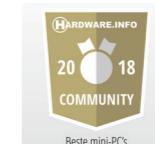
ASUS Mini PC PB Series can be VESA-mounted on the back of any HDMI monitor or TV to create fully functional Windows PCs that can serve as information points for large public areas and transportation hubs.

Enhanced Communication in Meeting Rooms

ASUS Mini PC PB60V delivers enterprise-class management and security, and is an ideal business computing platform. It's powered by an Intel® Core™ vPro™ processor for reliable and efficient performance. Its compact size also enables it to be VESA-mounted under a conference room table or on the back of a display.

Smart and Efficient POS Kiosk for Restaurants and Retail Stores

ASUS Mini PC PN series is well-suited for retail and commercial use. Each PC offers a comprehensive I/O port for legacy embedded systems such as bar code scanners, printers, routers, modems and other devices. The ASUS Control Center(ACC) makes routine PC maintenance easy by supporting simple BIOS updates and automatic syncing across multiple devices.



Chromebit and Chromebox Chrome Solution for Conferencing, Education and Digital Signage

Explore what's possible with an easy-to-manage, cost-effective, and highly-scalable computer that fits just about anywhere. Whether you want to transform a screen into a smart digital sign, create an easy guest computer kiosk, or invest in a fleet of low-maintenance machines for schools, ASUS Chromebit and Chromebox are affordable solutions that are easily managed and highly scalable. Your corporation can create a full spectrum of matching products with a single managed device that can even replace aging desktops.



ASUS Chromebox 3 for Retail: Smart Management

The Chrome management console lets you manage thousands of Chrome devices from a single Chromebox, allowing you to change settings for individual devices, or for all devices. ASUS Chromebox 3 delivers 4K UHD visuals and supports dual Full HD display set-ups*, so you can easily spread out work browsers, mirror content, or extend a single browser across two displays. ASUS Chromebox 3 also supports touchscreen for greater levels of interaction.

ASUS Chromebox 3 for Education: Easy Collaboration

ASUS Chromebox 3 provides new and enriching experiences in and out of the classroom. It's simple, secure, and offers an array of education apps built-in — so students and teachers can work and learn right out of box.

Smart,

One-touch HD Video-conferencing with Anyone, Anywhere

ASUS Hangouts Meet hardware kit is the smart video conferencing solution in stunning HD resolution. The package includes the compact ASUS Chromebox 3 computer powered by an up to Intel® Core™ i7 processor, and a 4K UHD camera with a wide 120° field of view — with auto-zoom technology to keep the images focused on the meeting participants. ASUS Hangouts Meet hardware kit also comes with a touchscreen control panel for one-touch meeting management, and a high-quality speakermic box that employs echo-cancellation and noise-suppression technologies to deliver crystal-clear audio.

ASUS Chromebox 3 for Self-Service Kiosks:

Easy Fleet Management

ASUS Chromebox 3 can be easily configured for customer or employee kiosks. It's a less-hassle solution that offers more savings with built-in internet security software and automatic updates, making a single or fleet of Chromebox devices easy to manage, deploy and scale.



ASUS Hangouts Meet hardware kit

Smart, one-touch HD video-conferencing with anyone, anywhere

ASUS Hangouts Meet hardware kit is the smart video-conferencing solution in stunning HD resolution. The package includes the compact ASUS Chromebox 3 computer powered by an up to Intel® Core™ i7 processor, and a 4K UHD camera with a wide 120° field of view — with auto-zoom technology to keep the images focused on the meeting participants. ASUS Hangouts Meet hardware kit also comes with a touchscreen control panel for one-touch meeting management, and a high-quality speakermic box that employs echo-cancellation and noise-suppression technologies to deliver crystal-clear audio. You can even daisy-chain speakermics to ensure that everyone in a larger room can hear and be heard. ASUS Hangouts Meet hardware kit improves team efficiency through real-time collaboration, making it the perfect choice for the modern workplace.

Real-time collaboration

Meetings with anyone, anywhere

ASUS Hangouts Meet hardware kit lets you meet with anyone on any device, and from anywhere — all through Google Hangouts Meet.

Whether you're joining from a computer, phone, or conference room, with a lightweight interface and smart participant management, multi-person video calls are a breeze.

Up to 50 online meeting participants supported

Meetings support up to 50 participants, providing collaboration with teammates, customers and clients around the world, just like you're all in the same room.

Simple, reliable access to meetings

Easy one-click URL access

Each meeting has a unique, easily shareable URL – no dedicated accounts or plugins required. Invited parties can also join via a single tap on a Google Calendar entry.

Unique dial-in number and PIN security for every meeting

To make it easy for offline users to take part in the discussion, ASUS Hangouts Meet hardware kit creates a unique dial-in telephone number and PIN for each meeting.

Designed for enterprise

Hassle-free and user-friendly collaboration

It takes just one click to join a video conference, or start one spontaneously via the touchscreen control panel. It's easy to schedule or join a meeting directly from Google Calendar, and participants are able to share screens remotely.

Automatic updates and security

It is easy to set up and updates automatically, so the Hangouts Meet hardware kit always has the latest security fixes to keep itself safe from viruses and other malware. Real-time authorization and central management of meeting participants also ensures conferences are secure.



Mini PC ProArt PA90 The Core of Creation

Power to create

Up to 9th Generation Intel® Core™ i9 and NVIDIA® Quadro® graphics to handle the most demanding applications and design tasks.

Accelerate your workflow

Up to 64GB DDR4 RAM, two 512GB M.2 SSDs with Intel® Optane® support and Thunderbolt™ 3 deliver smooth performance and fast data transfers.

Cool and stable performance

All-in-one CPU liquid cooler enables maximum processor performance with stable, cool and quiet operation.



Intel Inside®. Extraordinary Performance Outside.
Powered by Intel® Core™ i7 processor.
Found at www.asus.com.
Intel, the Intel Logo, Intel Inside, Intel Core, and Core Inside are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.





ASUS Mini PC PN series

Easy modification

Maximum possibilities



reddot design award
winner 2018



GOOD DESIGN
AWARD 2018

High-speed connectivity and legacy support

ASUS Mini PC PN series provides comprehensive connectivity with multiple ports, including a front-mounted USB Type-C port and a configurable port* to support legacy devices, additional displays or multiple network connections.

* Configurable port options may vary by model or region



* Photos above are PN60

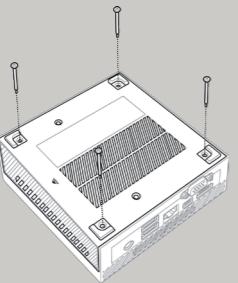
Upgrade-friendly

A convenient sliding chassis design lets you add or upgrade an M.2 SSD, 2.5-inch HDD or SSD, or memory in two easy steps using just a screwdriver. A bare-bones* option is also available, giving you maximum flexibility to customize your system.

* Bare-bones option availability may vary by model or region

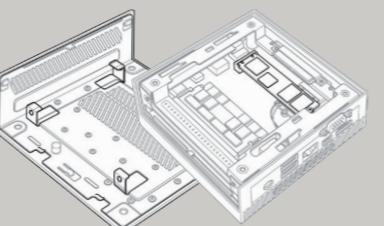
1 Remove screws

Secure with screws for extra protection



2 Slide and Open!

Sliding case design for easily pull out



Dual storage design

ASUS Mini PC PN series fits one Intel® Optane™ Memory, M.2 SSD or eMMC* drive, and a 2.5-inch HDD, letting you create your own custom storage solution with the balance of speed and capacity to fit your needs.

* Configuration may vary by model or region



ASUS Mini PC PB series

Solid reliability for your business



reddot design award
winner 2018



GOOD DESIGN
AWARD 2018

Loaded with connectivity

ASUS Mini PC PB series provides fast and convenient connectivity with USB 3.1 Gen2 and USB 3.1 Gen1 ports including one Type-C on the front panel, plus one USB 3.1 Gen2 and two USB 2.0 ports on the rear panel. Additionally, a configurable port* lets you add VGA, COM or DisplayPort functionality to fit your needs.

*Configurable port options may vary by model or region.

A perfect fit for all

PB40 & PB60 - Reliable performance for daily computing and multitasking in the office.

PB60G - Connect up to seven displays for visually intensive applications, such as media and entertainment, manufacturing, engineering and architectural.

PB60V - Support for Intel® vPro™ technology enables IT departments to be more proactive and manage more PCs per technician than ever before.



Stackable, modular design for added functionality

With optional stackable modules, you can add the ideal functionality you need to Mini PC PB series without sacrificing its compact size. A DVD optical drive module is currently available. PB60G and PB60V can also connect to a graphics module equipped with NVIDIA® Quadro® GPUs.



ASUS LED Projectors Compact Design, Full-size Performance

ASUS LED projectors are designed for outstanding flexibility. Their compact design is combined with superb visual performance, making them perfect for small meetings or on-the-go use, or in situations where a full-size projector is impractical. Using an LED light source with a lifespan of 30,000 hours, their remarkably low power consumption helps any business save on maintenance costs.



F1

With 1200-lumen and Full HD resolution provides bright and crisp images measuring up to 210 inches. Horizontal and vertical keystone adjustment as well as autofocus ensures images are sharp and distortion-free, even when projected from an angle. Built-in Harman Kardon® audio technology delivers immersive, high-fidelity 2.1-channel audio that perfectly complements the projected image to ensure games and multimedia sound as good as they look.

ZenBeam S2

With 500 lumens and HD resolution with 497g lightweight, providing up to 120 inches projection. ZenBeam S2 built-in 6000mAh battery that provides cable-free projection and acts as a portable power source. Easy to use with H/V keystone and autofocus, in addition, comprehensive set of connectivity via USB-C, HDMI and wireless mirroring. SonicMaster technology provides excellent sound quality to accompany the projection images.



ProArt PA32UC 4K HDR Professional Monitor ULTRAHD PREMIUM™

Extreme Contrast. Astonishing Realism.

The monitor is displayed in two configurations. On the left, it is shown mounted on a stand with a control panel below it, displaying a video editing interface. On the right, it is shown as a large, thin bezel monitor displaying a landscape image of Mount Fuji with cherry blossoms. The monitor has a sleek, modern design with a dark frame and a silver stand.

Bring out the true beauty of your pictures
4K, 85% Rec. 2020, 99.5% Adobe RGB, over 95% DCI-P3, and 100% sRGB for natural-looking images

Deepest blacks, brightest whites
Full-array backlight with 384 local dimming zones and peak brightness of 1,000 nits for amazing HDR experience

Thunderbolt™ 3 The port that does it all
Thunderbolt™ 3 for 40Gbps data transfer, 60W power delivery and daisy-chaining up to two 4K monitors

ASUS ProArt Calibration Technology
Color accuracy tuning, uniformity compensation and color parameter profile saving

Signage Specifications



Series		SD			SE
Model		SD434-YB	SD433	SD424-YB	SE655-Y
Display	Size	43"	43"	42"	65"
	Resolution / Frame Rate	1920 x 1080 / 60Hz	1920 x 1080 / 60Hz	1920 x 1080 / 60Hz	1920 x 1080 / 60Hz
	Brightness	350cd/m ²	300cd/m ²	350cd/m ²	450cd/m ²
	Contrast Ratio	3000:1	3000:1	3000:1	4000:1
	Viewing Angle	178° (H) / 178°(V)	178° (H) / 178°(V)	178° (H) / 178°(V)	178° (H) / 178°(V)
Video	DisplayPort	NA	NA	NA	DisplayPort x 1
	HDMI	HDMI x 1	HDMI x 1	HDMI x 1	HDMI 1.3 x 1
	DVI	DVI-D x 1	NA	DVI-D x 1	DVI-D x 1
	RGB	D-sub x 1	NA	D-sub x 1	D-sub x 1
	Component	RCA x 1-set	NA	RCA x 1-set	RCA x 1-set
	CVBS	(via component-Y)	NA	(via component-Y)	NA
	RGB	NA	NA	NA	D-sub x 1
Audio	Input	Stereo	3.5mm jack x 1	3.5mm jack x 1	3.5mm jack x 1
		Separate Channel	RCA x 1 pair	NA	RCA x 1 pair
		Stereo	NA	NA	S/PDIF Optical x 1
	Output	Separate Channel	RCA x 1-pair	NA	RCA x 1 pair
		Built-in Speakers	R+L / 10W each	R+L / 10W each	R+L / 7W each
Control	Wired	Network	RJ45	NA	RJ45
		Serial Bus	RS232 in/out	RS232 in/out	RS232 in/out
	Wireless	Controller	IR remote	IR remote	IR remote
Others	Sensor / Touch	NA	NA	NA	Ambient light sensor /Internal temperature sensor
	Extension	USB player	USB player/ Extension Card Slot	USB player	USB player
Power	Operating (Max.)	132W	90W	104W	300W
	Stand-By (Max.)	0.5W	0.5W	0.5W	0.5W
Physical	Net Weight	8.7kg	9kg	11.9kg	51kg
	Mounting Interface	400mm x 400mm	200mm x 200mm	400mm x 400mm	400mm x 400mm
	Frame Width	Top / Left / Right: 11.9mm Bottom: 14.9mm	Top / Left / Right: 10mm Bottom: 20mm	19.7mm even	Top / Bottom: 37.3mm Left / Right: 44.3mm
	Dimension (WxHxD)	968.2mm x559.4mm x 59.9mm	967mm x 568mm x 73mm	980mm x 573mm x 39mm	1,522mm x 883mm x 82mm

Series		SA		Series		SP
Model		SA555-Y	SA495-Y	Model		SP6540-T
Display	Size	55"	49"	Display	Size	65"
	Resolution / Frame Rate	1920 x 1080 / 60Hz	1920 x 1080 / 60Hz			1920 x 1080 / 60Hz
	Brightness	450cd/m ²	450cd/m ²			350cd/m ²
	Contrast Ratio	1100:1	1100:1			4000:1
	Viewing Angle	178° (H) / 178° (V)	178° (H) / 178° (V)			178° (H) / 178° (V)
System	Response Time	12ms (GTG)	12ms (GTG)	System	Video	Contrast Ratio
	CPU / SoC	ARM quad-core Cortex-A9 1.6GHz FPU / NEON / Mali-400 GPU	ARM quad-core Cortex-A9 1.6GHz FPU / NEON / Mali-400 GPU			DisplayPort
	OS	Android 4.4.4	Android 4.4.4			HDMI
	Memory	2G DDR	2G DDR			DVI
	Storage	16G eMMC	16G NAND FLASH			D-sub x 1
	LAN	10/100 (RJ45)	10/100 (RJ45)			RGB
	Wireless	2.4GHz, WLAN 802.11b/g/n	2.4GHz, WLAN 802.11b/g/n			3.5mm jack x 1
	DisplayPort	DisplayPort x 1	DisplayPort x 1			3.5mm jack x 1
	HDMI	HDMI x 2	HDMI x 2			3.5mm jack x 1
	DVI	DVI-I x 1	DVI-I x 1			3.5mm jack x 1
Video	RGB	D-sub x 1	D-sub x 1	Video	Audio	Built-in Speakers
	DisplayPort	DisplayPort x 1	DisplayPort x 1			R+L / 10W each
	HDMI	HDMI x 2	HDMI x 2			Stereo
	DVI	DVI-I x 1	DVI-I x 1			Stereo
	RGB	D-sub x 1	D-sub x 1			IR remote
Audio	Input	Stereo	3.5mm jack x 1	Audio	Control	Serial Bus
		Stereo	3.5mm jack x 1			RS232C in/out
	Output	Built-in Speakers	R+L / 10W each			Controller
		Network	RJ45			IR remote
Control	Output	Stereo	3.5mm jack x 1	Control	others	4-pt / Opt
		Built-in Speakers	R+L / 10W each			Extension
	Input	Network	RJ45			Operating (Max.)
Others	Control	Serial Bus	RS232 in/out		Power	220W
	Wireless	Controller	IR remote			Stand-By (Max.)
		Sensor/ Touch	Internal temperature sensor			0.5W
Power	Others	Extension	Micro SD Card Slot USB Player (with charging capability, 2A)	Power	Physical	Net Weight
		Operating (Max.)	139W			40kg
	Power	Stand-By (Max.)	0.5W			Mounting Interface
Physical		Net Weight	18kg	Physical	Dimension (WxHxD)	400 x 400mm 100 x 100mm
		Mounting Interface	400mm x 400mm			Frame Width
		Frame Width	Top / Left / Right: 9.6mm Bottom: 15.7mm			30.5mm even
		Dimension (WxHxD)	1,234mm x 711mm x 46mm			1,507mm x 882mm x 96mm
			1,098mm x 634mm x 46mm			



Series		HA		Series		CP	
Model		HA2402		Model		CP240	
Display	Size	24"	Display	Size	23.8"		
	Panel Type	WLED / IPS		Resolution / Frame Rate	1920 x 1080 / 60Hz		
	Resolution / Pixel Number	1920 x 1200 / 2.3M		Brightness	250cd/m ²		
	Display Colors	8bit (RGB) / 16.7M		Contrast Ratio	1000:1		
	LUT	10bit		Viewing Angle	178° (H) / 178° (V)		
	Brightness	300cd/m ²		CPU / SoC	Teradici TERA2321		
	Contrast Ratio	1000:1		Hardware	VDI	VMware PCoIP	
	Viewing Angle (CR ≥ 10)	178°(H) / 178°(V)		Memory	512M DDR3		
I/O Ports	DisplayPort	DisplayPort x 1	System	Communication	LAN	10/100/1000 (RJ45)	
	HDMI	HDMI x 1		Wireless	-		
	DVI	DVI-D x 1		Input Port	USB	USB 2.0 x4	
	RGB	D-sub x 1		Input	RGB	D-sub x1	
	Audio Output	Line-out		Output	DVI	DVI-I x1	
	USB	USB 3.0 x 4		Input	Microphone-in	3.5mm jack x1	
	Operating (Max.)	65W		Output	Line-out	3.5mm jack x1	
	Stand-By (Max.)	0.5W			Headphone-out	3.5mm jack x1	
Power	Tilt (angle)	20° to -5°	Power		Built-in speakers	R+L / 2W each	
	Swivel (angle)	60° to -60°		Operating	24W (Typ.) / 45W (Max.)		
	Pivot (angle / direction)	90° (clockwise)		Stand-By (Max.)	0.5W		
	Height Adjustment	100mm		Tilt (angle)	20° to -5°		
	Net Weight	6.9kg		Swivel (angle)	160° to -160°		
	Mounting Interface	100mm x 100mm		Pivot (angle/direction)	90° CW to portrait		
	Dimension	558mm x 417mm x 235mm		Height Adjustment	±110mm		
				Net Weight	6kg		
Mechanical Design			Mechanical Design	Mounting Interface	100mm x 100mm		
				Dimension	568mm x 225mm x 517mm		
Physical			Physical				

Series		CPX		CDX	
Model		CPX20		CDX10	
System	Display	Support Resolution (Max.)	2560 x 1600 / 60Hz	1920 x 1200 / 60Hz	
	Hardware	CPU / SoC	Teradici TERA2321	Texas Instrument TMS320DM8148 ARM Cortex A8	
		OS / RDS / VDI	VMware PCoIP	Citrix HDX, VMware PCoIP, & Microsoft RDP	
		Memory	512M DDR3	1G	
	Communication	LAN	10/100/1000 (RJ45)	10/100/1000 (RJ45)	
		Wireless	-	-	
	Input Port	USB	USB 2.0 x4	USB 2.0 x4	
		Others	-	COM x1	
Video	Output	DVI	DVI-I x1 / DVI-D x1	DVI-I x1	
	Input Port	Microphone-in	3.5mm jack x1	3.5mm jack x1	
		Headphone-out	3.5mm jack x1	3.5mm jack x1	
	Power	Operating	6.3W (Typ.) / 20W (Max.)	18W (Typ.) / 20W (Max.)	
		Stand-By (Max.)	0.5W	0.5W	
Physical	Net Weight	2kg	2kg		
		Mounting Interface	100mm x 100mm 75mm x 75 mm	100mm x 100mm 75mm x 75mm	
	Dimension	103mm x 200mm x 31mm	103mm x 200mm x 31mm		



Model	ProArt™ PA34VC	ProArt™ PA32UCX	ProArt™ PA32UC	
Display	Panel Size (Diagonal)	34.14" (86.72 cm) Wide Screen (21:9), 1900R	32" Wide Screen (16:9)	32" (81.28cm) Wide Screen (16:9)
	Display Viewing Area	799.8mm (H) x 334.8mm (V)	708.48mm (H) x 398.52mm (V)	708.48 (H) x 398.52mm (V)
	Panel Backlight / Type	W-LED / IPS	W-LED / IPS	Direct-type LED / IPS
	Display Surface (Non-glare / Glare)	Non-glare	Non-glare	Non-glare
	Color Saturation	100% sRGB (Rec.709)	93% DCI-P3, 99.5% AdobeRGB	85% Rec.2020, over 95% DCI-P3, 99.5% Adobe RGB, 100% sRGB (Rec.709)
	True Resolution	3440 x 1440	3840 x 2160	3840 x 2160
	Pixel Pitch	0.2325mm	0.1845mm	0.1845mm
	Brightness (Max.)	300cd/m ²	400cd/m ² (Typical), 1,000cd/m ² (Peak)	350cd/m ² (Typical), 1,000cd/m ² (Peak)
	Contrast Ratio (Max.)	1,000:1	1,000:1 (Typical), 20,000:1 (HDR)	1,000:1 (Typical), 20,000:1 (HDR)
	ASUS Smart Contrast Ratio (ASCR)	100,000,000:1	100,000,000:1	100,000,000:1
	Viewing Angle (CR ≥ 10)	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)
	Display Colors	1.07B	1.07B	1.07B
	Response Time	5ms (Gray to Gray)	5ms (Gray to Gray)	5ms (Gray to Gray)
	Flicker-free	Yes	Yes	Yes
	LCD ZBD Warranty	Yes	Yes	Yes
	Ambient Light Sensor	NA	NA	Yes
Video Features	Trace Free Technology	Yes	Yes	Yes
	Color Temperature Selection	4 modes (5,000k, 5,500k, 6,500k, 9,300k)	4 modes (5,000k, 5,500k, 6,500k, 9,300k)	4 modes (5,000k, 5,500k, 6,500k, 9,300k)
	HDCP	Yes, 1.4 and 2.2	Yes, 2.2	Yes, 1.4 and 2.2
	Color Accuracy	△ E < 2	△ E < 2	△ E < 2
	Gamma adjustment	Yes (Support Gamma 2.6, 2.4, 2.2, 2.0 1.8)	Yes (Support Gamma 2.6, 2.4, 2.2, 2.0 1.8)	Yes (Support Gamma 2.6, 2.4, 2.2, 2.0 1.8)
	Color Adjustment	6-axis adjustment (R, G, B, C, M, Y)	6-axis adjustment (R, G, B, C, M, Y)	6-axis adjustment (R, G, B, C, M, Y)
	QuickFit (Modes)	N/A	Yes	Yes
	Vivid Pixel Technology	Yes	NA	Yes
	Picture-in-Picture / Picture-by-Picture	Yes	Yes	Yes
	HDR support	Yes (HDR-10)	Yes (HDR-10, HLG)	Yes (HDR-10)
Audio Features	Stereo Speaker	2W x 2 stereo, RMS	3W x 2 stereo, RMS	3W x 2 stereo, RMS
Input/ Output	Signal Input	Thunderbolt™ 3 x 2 (in x 1, out x 1), DisplayPort 1.2 x 1, HDMI 2.0 x 2	Thunderbolt™ 3 x 2 (in x 1, out x 1), DisplayPort 1.2 x 1, HDMI 2.0 x 4	Thunderbolt™ 3 x 2 (in x 1, out x 1), DisplayPort 1.2a x 1, HDMI 2.0b x 4
	Earphone Jack	Yes (3.5mm Mini-jack)	Yes (3.5mm Mini-jack)	Yes (3.5mm Mini-jack)
	USB port(s)	Upstream: Thunderbolt™ 3 Type-C x 2 Downstream: USB3.0 Type-A x 3	Upstream: USB 3.0 Type-B x 1 Downstream: USB 3.0 Type-A x 2, USB 3.0 Type-C x 1	Upstream: USB 3.0 Type-B x 1 Downstream: USB 3.0 Type-A x 2, USB 3.0 Type-C x 1
Power	Power Consumption**	56.72W	<65W	<56.84W
	Power Saving Mode	<0.5W	<0.3W	<0.5W
	Power Off Mode	0W (Hard Switch)	0W (Hard Switch)	0W (Hard Switch)
	Voltage	100~240V, 50 / 60 Hz	100~240V, 50 / 60 Hz	100~240V, 50 / 60 Hz
	Chassis Colors	Black	Gray	Gray
Mechanical Design	Tilt (angle)	23° to -5°	23° to -5°	23° to -5°
	Swivel (angle)	30° to -30°	60° to -60°	60° to -60°
	Pivot (angle/direction)	NA	90° (clockwise & anticlockwise)	90° (clockwise & anticlockwise)
	Height Adjustment	0mm ~ 120mm	0mm ~ 130mm	0mm ~ 130mm
	VESA Wall Mounting	100mm x 100mm	100mm x 100mm	100mm x 100mm
Security	Kensington lock	Yes	Yes	Yes
Dimension	Phys. Dimension with Stand (WxHxD)	815.12mm x (418mm ~ 538mm) x 222.86 mm	727mm x (470mm ~ 600mm) x 229mm	727mm x (470mm ~ 600mm) x 229mm
	Phys. Dimension without Stand (WxHxD) (For VESA Wall Mount)	815.12mm x 364.79mm x 122.17 mm	727mm x 426mm x 69mm	727mm x 426mm x 69mm
	Net Weight (Esti.)	11.4kg	11.4kg	11.4kg
Weight	Gross Weight (Esti.)	17.18kg	16.7kg	16.7kg

*Measuring a screen brightness of 200cd/m² without audio/USB/card reader connection.

Model	ProArt™ PA329C	ProArt™ PA27AC	ProArt™ PA24AC	
Display	Panel Size (Diagonal)	32" (81.28cm) Wide Screen (16:9)	(68.47cm) Wide Screen (16:9)	(61.13cm) Wide Screen (16:10)
	Display Viewing Area	708.48mm (H) x 398.52mm (V)	608.6mm (H) x 348.3mm (V)	518.4mm (H) x 324mm (V)
	Panel Backlight / Type	W-LED / IPS	W-LED / IPS	W-LED / IPS
	Display Surface (Non-glare / Glare)	Non-glare	Non-glare	Non-glare
	Color Saturation	84% Rec. 2020, 98% DCI-P3, 100% Adobe RGB, 100% sRGB (Rec. 709)	100% sRGB (Rec. 709)	100% sRGB (Rec. 709)
	True Resolution	3840 x 2160	2560 x 1440	1920 x 1200
	Pixel Pitch	0.1845mm	0.233mm	0.270 mm
	Brightness (Max.)	400cd/m ² (Typical), 600cd/m ² (Peak)	300cd/m ² (Typical), 400cd/m ² (Peak)	350cd/m ² (Typical), 400cd/m ² (Peak)
	Contrast Ratio (Max.)	1,000:1	1,000:1	1,000:1 (Typical), 8,000:1 (HDR)
	ASUS Smart Contrast Ratio (ASCR)	100,000,000:1	100,000,000:1	100,000,000:1
	Viewing Angle (CR ≥ 10)	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)
	Display Colors	1,073.7 M	16.7M	16.7M
	Response Time	5ms (Gray to Gray)	5ms (Gray to Gray)	5ms (Gray to Gray)
	Flicker-free	Yes	Yes	Yes
	LCD ZBD Warranty	Yes	Yes	Yes
Video Features	Ambient Light Sensor	NA	NA	NA
	Trace Free Technology	Yes	Yes	Yes
	Color Temperature Selection	4 modes (5,000k, 5,500k, 6,500k, 9,300k)	4 modes (5,000k, 5,500k, 6,500k, 9,300k)	4 modes (5,000k, 5,500k, 6,500k, 9,300k)
	HDCP	Yes, 1.4 and 2.2	Yes, 1.4 and 2.2	Yes, 1.4 and 2.2
	Color Accuracy	△ E < 2	△ E < 2	△ E < 2
	Gamma adjustment	Yes (Support Gamma 2.6, 2.4, 2.2, 2.0 1.8)	Yes (Support Gamma 2.6, 2.4, 2.2, 2.0 1.8)	Yes (Support Gamma 2.6, 2.4, 2.2, 2.0 1.8)
	Color Adjustment	6-axis adjustment (R, G, B, C, M, Y)	6-axis adjustment (R, G, B, C, M, Y)	6-axis adjustment (R, G, B, C, M, Y)
	QuickFit (Modes)	Yes	Yes	Yes
	Vivid Pixel Technology	Yes	Yes	NA
	Picture-in-Picture / Picture-by-Picture	Yes	Yes	Yes
Audio Features	HDR support	Yes (HDR-10)	Yes (HDR-10)	Yes (HDR-10)
	Stereo Speaker	3W x 2 stereo, RMS	2W x 2 stereo, RMS	2W x 2 stereo, RMS
	Signal Input	USB-C x 1, DisplayPort 1.2 x 1, HDMI 2.0 x 3	(in x 1, out x 1), DisplayPort 1.2, HDMI 1.4 x 2, HDMI 2.0a x 1, DisplayPort 1.2 x 1, HDMI 2.0a x 2, USB Type-C x 1	DisplayPort 1.2 x 1, HDMI 2.0a x 2, USB Type-C x 1
Input/ Output	Earphone Jack	Yes (3.5mm Mini-jack)	Yes (3.5mm Mini-jack)	Yes (3.5mm Mini-jack)
	USB port(s)	Upstream: USB 3.0 Type-C x 1 Downstream: USB 3.0 Type-A x 5	Upstream: USB 3.0 Type-B x 1 Downstream: USB 3.0 Type-A x 2, USB 3.0 Type-C x 1	Upstream: USB 3.0 Type-C x 1 Downstream: USB 3.0 Type-A x 4
	Power Consumption**	<47.49W	<25W	<21W
	Power Saving Mode	<1.4W	<0.5W	<0.5W
	Power Off Mode	0W (Hard Switch)	0W (Hard Switch)	0W (Hard Switch)
Power	Voltage	100~240V, 50 / 60 Hz	100~240V, 50 / 60 Hz	100~240V, 50 / 60 Hz
	Chassis Colors	Black	Gray	Gray
	Tilt (angle)	20° to -5°	23° to -5°	23° to -5°
	Swivel (angle)	60° to -60°	60° to -60°	45° to -45°
	Pivot (angle/direction)	90° (clockwise)	90° (clockwise & anticlockwise)	90° (clockwise & anticlockwise)
Mechanical Design	Height Adjustment	0mm ~ 130mm	0mm ~ 120mm	0mm ~ 110mm
	VESA Wall Mounting	100mm x 100mm	100mm x 100mm	100mm x 100mm
	Kensington lock	Yes	Yes	Yes
	Dimension	Phys. Dimension with Stand (WxHxD)	735mm x 615mm x 240mm	614mm x (386mm ~ 506mm) x 221mm
	Weight	Phys. Dimension without Stand (WxHxD) (For VESA Wall Mount)	734.4mm x 431mm x 66.85mm	614mm x 353mm x 55mm
Weight	Net Weight (Esti.)	12.5kg	8.5kg	6.5kg
	Gross Weight (Esti.)	15.7kg	11.5kg	9.0kg



Product Information	Series	Video		Business	
		Model	F1	B1MR	B1M
Display	Display Technology	0.47" DLP®	0.45" DLP®	0.45" DLP®	
	Light Source	R/G/B LED		RGB LED	
	Light Source Life(max)	30,000 hours		30,000 hours	
	Native Resolution	Full HD 1920x1080	WXGA 1280x800	WXGA 1280x800	
	Light Output(Max. lumens)	1200 Lumens	900 Lumens	700 Lumens	
	Contrast Ratio	3500:1 (DCR)	10000:1	3500:1	
	Display Colors	16.7M	1.07 Billions	1.07 Billions	
	Throw Ratio	0.8:1 (56.5" @ 1m)@16:9)	0.9 (51" @1m)@16:10)	0.9 (51" @1m)@16:10)	
	Projection Distance	0.45 ~ 3.7m	0.6 ~ 3m	0.6 ~ 3m	
	Projection/ Screen Size	25 ~ 210 inches	31.2~153 inches	31.2~153 inches	
Projection Lens	Projection Offset	105 ± 5 %	100 ± 5 %	100 ± 5 %	
	Zoom Ratio		Fixed		
	Focus	Fixed	--	--	
	Keystone adjustment	2D(H/V) keystone (H: Up to ± 25 degree, V: Up to ± 30 degree)	Digital (Up to ±40 degree)	Fixed	
	Auto Keystone	Yes (vertical)	Yes	Yes	
Audio Features	Aspect Ratio	16:10 / 16:9 / 4:3	16:10 / 16:9 / 4:3	16:10 / 16:9 / 4:3	
	Built-in Speakers	3W x 2 speaker +8W woofer 2.1 channel with Harmon Kardon® certified	2W speaker*2 (ASUS SonicMaster Audio technology)	2W speaker*2 (ASUS SonicMaster Audio technology)	
	Power Consumption (Typical)	<120W	≤65W(Eco mode)/≤85W(Normal Mode)	≤65W(Eco mode)/≤85W(Normal Mode)	
Power	Power Standby mode		<0.5W		
	Internal Battery	--	--	--	
	Battery Life	--	--	--	
Interface	Signal Input	D-sub, HDMI x 2	D-sub, HDMI1.3(HDCP support)	D-sub, HDMI1.3(HDCP support)	
	Video Input	--	Composite Video	Composite Video	
	Audio Output	Earphone out		Earphone out	
	Card Reader	--	Yes (1x SD card slot for multimedia playback)	Yes (1x SD card slot for multimedia playback)	
Multimedia Formats Supported	USB 2.0 Port	USB Port only for Charge (2A@5V)	1xType A, for Service FW upgrade and Media features of USB WiFi dongle, USB display, USB thumb disk	1xType A, for Service FW upgrade and Media features of USB WiFi dongle, USB display, USB thumb disk	
	Wireless Display	Yes, 802.11 a/b/g/n 2.4G and 5G (Support Android and Win10)	Yes	--	
	Internal Memory	--	--	--	
	Video	--	MOV/MP4/AVI/MKV/MPG/MPEG/WMV/DIVX/TS/DAT/VOB/3GP/RM/RMVB		
	Audio	--	MP3/MP1/MP2/WMA/AAC/ADPCM-WAV/PCM-WAV/OGG		
Mechanical Design	Picture	--	JPG/JPEG/BMP	--	
	Document Viewer	--	PDF/DOC/DOCX/XLS/PPT/PPTX/TXT	PDF/DOC/DOCX/XLS/PPT/PPTX/TXT	
	Chassis Colors	Black	Black	Black	
Dimension	Physical Dimension (WxHxD)	250mm x 215mm x 75mm	175mm x 44.5mm x 138mm	175mm x 44.5mm x 138mm	
Weight	Net Weight (Esti.)	1500g (est.)	900g	900g	



Product Information	Series	Portable		Mobile				
		Model	P3B	P3E	S1	ZenBeam S2	ZenBeam E1Z	ZenBeam E1
Display	Display Technology	0.45" DLP®	0.45" DLP®	0.3" DLP®	0.3" DLP®	0.2" DLP®	0.2" DLP®	0.2" DLP®
	Light Source					RGB LED		
	Light Source Life(max)					30,000 hours		
	Native Resolution	WXGA 1280x800	WXGA 1280x800	WXGA 854x480	HD 720P 1280 x 720	WXGA 854x480	WXGA 854x480	WXGA 854x480
	Light Output(Max. lumens)	800 Lumens (up to 500 lumens with battery)	800 Lumens	800 Lumens (up to 500 lumens with battery)	500 Lumens	150 Lumens (AC in)150 Lumens (AC in) (up to 70 lumens with up to 70 lumens with battery)		
	Contrast Ratio	1000:1	1000:1	1000:1	3500:1 (DCR)	3500:1 DCR	3500:1 DCR	3500:1 DCR
	Display Colors	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M
	Throw Ratio	0.9 (51" @1m) (@16:10)	0.9 (51" @1m) (@16:10)	1.1 (41" @1m) (@16:9)	1.12:1 (40" @1m) (@16:9)	1.4 (32" @1m) (@16:9)	1.4 (32" @1m) (@16:9)	1.4 (32" @1m) (@16:9)
	Projection Distance	0.43 ~ 3.44m	0.43 ~ 3.44m	0.73 ~ 2.43m	1.5 ~ 3m	0.5 ~ 3.7m	0.5 ~ 3.7m	0.5 ~ 3.7m
	Projection/ Screen Size	25~200 inches	25~200 inches	30~100 inches	60 ~ 120 inches	16~120 inches	16~120 inches	16~120 inches
Projection Lens	Projection Offset	100 ± 5 %	100 ± 5 %	100%	100 ± 5 %	100%	100%	100%
	Zoom Ratio				Fixed			
	Focus	--	--	--	Auto Focus	--	--	--
	Keystone adjustment	Digital (Up to ±40 degree)	Digital (Up to ±40 degree)	--	--	Digital (Up to ±40 degree)	Digital (Up to ±40 degree)	Digital (Up to ±40 degree)
	Auto Keystone	Yes	Yes	--	Yes	Yes	Yes	Yes
Audio Features	Aspect Ratio	16:10 / 16:9 / 4:3	16:10 / 16:9 / 4:3	16:10 / 16:9 / 4:3				
	Built-in Speakers				2W speaker(ASUS SonicMaster Audio technology)			
	Power Consumption (Typical)	≤65W	≤65W	<32W	<65W	<18W	<24W	
Power	Power Standby mode				<0.5W			
	Internal Battery	12000 mAh	--	6000mAh (1A@5V)	6000mAh (1A@5V)	6400mAh (1A@5V)	6000mAh (1A@5V)	
	Battery Life	45Wh(up to 3 hours)	--	22Wh(up to 3 hours)	22Wh(up to 3 hours)	24Wh(up to 5 hours)	22Wh(up to 5 hours)	
	Signal Input	D-sub, HDMI/MHL	D-sub, HDMI/MHL	HDMI/MHL	USB-C x 1, HDMI x 1	USB(Andriod5.0/ Windows)	HDMI	
	Video Input	--	--	--	--	--	HDMIMHL	
Interface	Audio Output				Earphone out			
	Card Reader	Yes(1x SD card slot for multimedia playback)	Yes (1x MicroSD card slot, up to 32GB)	--	--	--	--	
	USB 2.0 Port	USB Type-A x 2: Down: Power bank charger (5V/1.5A), Media features. Up: USB thumb disk, USB WiFi dongle, power bank charger (5V/500mA). microUSB x 1 for internal memory	USB Type-A x 1 for power bank charger (5V/1.5A)	USB Port for charge (1A@5V)	USB Port for charge (1A@5V)	USB Port for charge (1A@5V)	USB Port for charge (1A@5V)	
	Wireless Display	Yes	--	--	802.11 a/b/g/n 2.4G and 5G (Support Android and Win10)	--	--	
	Internal Memory	2GB Available for user(via microUSB port)	--	--	--	--	--	
Multimedia Formats Supported	Video	MOV/MP4/AVI/MKV/MPG/MPEG/WMV/DIVX/TS/DAT/VOB/3GP/RM/RMVB						
	Audio	MP3/MP1/MP2/WMA/AAC/ADPCM-WAV/PCM-WAV/OGG	--	--	--	--	--	
	Picture	JPG/JPEG/BMP	--	--	--	--	--	
	Document Viewer	PDF/DOC/DOCX/XLS/PPT/PPTX/TXT	--	--	--	--	--	
Mechanical Design	Chassis Colors	White	Silver	Silver/Icicle Gold	Blue / White	Gold	Silver	
	Dimension	Physical Dimension(WxHxD)	153.5mm x 43mm x 131.2mm	153.5mm x 43mm x 131.2mm	110.5mm x 30.7mm x 102mm	120mm x 35mm x 120 mm	110mm x 29mm x 83mm	110mm x 29mm x 83mm
	Weight	Net Weight (Esti.)	750g	550g	342g	497g	307g	307g



Series Model		AIOT PE200U			
OS		Support Win10/Linux			
CPU		8th Generation Intel® Core™ i7/i5/i3 Processor			
Chipset		Integrated			
Graphics		Intel® UHD Graphics 620			
Memory		1 x DDR4-2400 SO-DIMM, up to 16GB			
Storage		1 x SATA 6Gb/s 1 x M.2 2242 M Key 1 x mSATA slot (shared with Mini PCIe slot) 1 x Micro SD socket			
Wireless Network		1 x M.2 2230 E Key for Wi-Fi Module 1 x Mini PCIe with Nano-SIM socket			
LAN		2 x Intel Gigabit LAN			
Weight		2.5 kg			
TPM		TPM 2.0 (firmware)			
Interface	Front I/O	1 x HDMI 1 x DisplayPort 4 x USB 3.1 Gen2 Type A 2 x RJ45 2 x RS232/422/485 ports 1 x DIO 2 x Antenna ports			
	Side I/O	N/A			
	Rear I/O	4 x USB 2.0 4 x RS232 ports 1 x Line-out 1 x Mic-in 1 x DC in 2 x Antenna ports			
Card Reader	N/A				
Power Supply	12-24V DC in				
Dimension	254 x 147 x 57 mm				



Model	CAX21	CA001
Resolution	1920 x 1080P; 1680 x 1050P; 1600 x 900P; 1440 x 900P; 1366 x 768P; 1280 x 1024P; 1920 x 1080P; 1680 x 1050P; 1600 x 900P; 1440 x 900P; 1366 x 768P; 1280 x 1024P; 1024 x 768P	1920 x 1080P; 1680 x 1050P; 1600 x 900P; 1440 x 900P; 1366 x 768P; 1280 x 1024P; 1024 x 768P
CPU	ARM quad-core Cortex-A9 1.6GHz	ARM quad-core Cortex-A9 1.6GHz
OS	Android 4.4	Android 4.4
ROM	2GB DDR3	1GB DDR3
RAM	8GB NAND FLASH	8GB NAND FLASH
Network	RJ45 10/100Mbps, WLAN 802.11b/g/n, Bluetooth 4.0	RJ45 10/100Mbps, WLAN 802.11b/g/n, Bluetooth 4.0
I/O Port	Micro SD Card slot x1, VGA x1, HDMI x1, USB2.0 x4 (incl. OTG x1), Earphone jack x1, Microphone jack x1	SD Card slot x1, VGA x1, USB2.0 x2, Earphone jack x1, Microphone jack x1
Operating (Max.)	6.8W	7.3W
Stand-by (Max.)	3.2W	4.8W
Packing Dimensions	129.5mm x 108mm x 25mm	156.5mm x 118.4mm x 1.6mm
New Weight	0.6kg	0.16kg

Series	ASUSPRO E420	ASUSPRO E520	Series	VivoStick Series
Model	E420	E520	Model	VivoStick TS10
OS	Windows®10 Pro, Windows®10 Home, Windows®10 Pro S mode, or W/O OS	Windows®10 Pro, Windows®10 Home or W/O OS	OS	Windows®10 Pro, Windows®10 Home
CPU	Intel® Celeron® 3865U Processor	Intel® Core™ i7-7700T Processor Intel® Core™ i5-7400T Processor Intel® Core™ i3-7100T Processor	CPU	Intel® Atom™ x5-Z8350
Chipset	Integrated	Intel® H110	Graphics	Integrated - Intel® HD Graphics
Graphics	Integrated - Intel® HD Graphics 610	Integrated - Intel® HD Graphics 630	Memory	LPDDR3-1600, 2G/4G
Memory	2 x SO-DIMM DDR4 2133MHz, up to 32GB	2 x SO-DIMM DDR4 2133MHz, up to 32GB	Storage	32G/64G eMMC(Vary by Memory sku)
Storage	1 x M.2 connector (Support M.2 SSD 2242 or 2280) 1 x SATA 6Gb/s; 2.5" 500G/1TB HDD or 128G to 256G SSD	1 x M.2 connector (Support M.2 SSD 2280) 1 x SATA 6Gb/s; 2.5" 500G/1TB HDD or 128G to 256G SSD	Wireless Network	*Only Intel branding been noted 802.11ac + BT V4.1
Wireless Network	Intel 802.11ac + BT, 2*2 802.11n + BT, 2*2	Intel 802.11ac + BT, 2*2 802.11n + BT, 2*2	LAN	N/A *Only Intel branding been noted
LAN	10/100/1000 Mbps	10/100/1000 Mbps	Weight	N/A (USB-LAN adapter support)
Weight	0.7 kg (include 2.5" HDD)	0.8 kg (include 2.5" HDD)	TPM	ftPM or TPM chip (Optional)
TPM	ftPM or TPM chip (Optional)	ftPM or TPM chip (Optional)	Front I/O	4 x USB 3.1 Gen1 1 x Audio jack 1 x Microphone jack 1 x 4-in-1 card reader
Front I/O	2 x USB 3.1 Gen1 1 x Audio jack 1 x Microphone jack	2 x USB 3.1 Gen1 1 x Audio jack 1 x Microphone jack	Side I/O	N/A
Rear I/O	1 x HDMI (Support Ultra HD 4K) 1 x VGA (D-Sub) 1 x COM Port 1 x LAN (RJ45) Port 1 x DC-in 1 x Kensington lock slot 1 x External Wi-Fi antenna jack	2 x USB 3.1 Gen1 1 x USB 2.0 1 x HDMI (Support Ultra HD 4K) 1 x DisPlay port (Support Ultra HD 4K) 1 x LAN (RJ45) Port 1 x DC-in 1 x Kensington lock slot 1 x External Wi-Fi antenna jack 1 x COM Port (Optional Extension) 1 x Parallel port (Optional Extension)	Card Reader	N/A
Card Reader	N/A	N/A	TPM	ftPM
Power Supply	All EBOX series has passed the DOE VI regulation (over 250W: DOE efficiency 87.5% ; between 45W-250W: DOE efficiency 88%)	All EBOX series has passed the DOE VI regulation (over 250W: DOE efficiency 87.5% ; between 45W-250W: DOE efficiency 88%)	Noise Level	18.0-28.0 dBA
Physical	219 x 172.5 x 29 mm	185 x 210 x 27 mm	Power Supply*	9Vdc, 2A, 18 W Adapter
Dimension	135 x 36 x 16.5 mm	75 g	Dimension	135 x 36 x 16.5 mm
Weight	75 g	75 g	Weight	75 g



Series	PN Series				
Model	PN30	PN40	PN60	PN61	
OS	Windows®10 Pro, Windows®10 Home, or W/O OS	Windows®10 Pro, Windows®10 Home, or W/O OS	Windows®10 Pro, Windows®10 Home, or W/O OS	Windows®10 Pro, Windows®10 Home, or W/O OS	Windows®10 Pro, Windows®10 Home, or W/O OS
CPU	AMD Carrizo-L E2-7015	Intel® Celeron® N4000 Processor (Fanless) Intel® Celeron® N4100 Processor (Fanless) Intel® Pentium® Silver N5000 Processor (Fanless) Intel® Celeron® J4005 Processor Intel® Pentium® Silver J5005 Processor	Intel® Core™ i7-8550U Processor Intel® Core™ i5-8250U Processor Intel® Core™ i3-8130U Processor	Intel® Core™ i7-8565U Processor Intel® Core™ i5-8265U Processor	
Chipset	Integrated	Integrated	Integrated	Integrated	
Graphics	Integrated-Radeon™ R2 Graphics	Integrated-Intel® UHD Graphics 600	Intel® HD Integrated Graphics 620	Intel® HD Integrated Graphics 620	
Memory	2 x SO-DIMM, DDR3-1333/1600 MHz memory (2GB to 8GB)	2 x SO-DIMM, DDR4-2400 MHz memory, up to 8GB	2 x SO-DIMM DDR4 2400 MHz memory, up to 32G	2 x SO-DIMM DDR4 2400 MHz memory, up to 32G	
Storage	1 x M.2 2280 connector, SATA & PCIe SSD; 128GB/256/512GB* 1 x SATA 6Gb/s;2.5" 500GB/1TB HDD *M.2 connector support may vary from model	eMMC onboard (up to 64GB) eMMC onboard (32GB / 64GB) 1 x M.2 connector (Support M.2 SSD 2280)* 1 x SATA 6Gb/s;2.5" 500GB/1TB HDD *M.2 connector support may vary from model	1 x SATA 6Gb/s connector, Support 2.5" HDD or SSD 1 x M.2 connector (Support M.2 SSD 2242 or 2280) *Support 2280 16G/32G Intel® Optane™ memory *Support NVMe SSD	1xSATA 6Gb/s connector, Support 2.5" HDD or SSD 1xM.2 connector (Support M.2 SSD 2280) *Support 2280 16G/32G Intel® Optane™ memory *Support NVMe SSD	
Wireless Network	Intel 802.11ac + BT, 1*1 Intel 802.11ac + BT, 2*2	Intel 802.11ac + BT, 1*1 Intel 802.11ac + BT, 2*2	Intel 802.11ac + BT, 2*2	Intel 802.11ac + BT, 2*2	
LAN	10/100/1000 Mbps	GB LAN, 10/100/1000 Mbps	GB LAN, 10/100/1000 Mbps	Intel GB LAN, 10/100/1000 Mbps	
Weight	0.7 kg (include 2.5" HDD)	0.7 kg (include 2.5" HDD)	0.7 kg (include 2.5" HDD)	0.7 kg (including 2.5" HDD)	
TPM	fTPM 2.0 or TPM 2.0 chip (Optional)	fTPM or TPM chip (Optional)	fTPM or TPM chip (Optional)	fTPM	
Front I/O	1 x USB 3.1 Gen1 Type C 1 x USB 3.1 Gen1 Type-A (support B.C 1.2) 1 x USB 2.0 1 x Audio Jack(1 Combo)	1 x USB 3.1 Gen1 Type C 1 x USB 3.1 Gen1 1 x USB 2.0 (Support Battery Charging 1.2) 1 x Audio Jack (Line in/ Mic in/ Headphone out)	1 x USB3.1 Gen1 Type-C (Support Battery Charging 1.2) 1 x USB 3.1 Gen1 1 x USB 2.0 1 x Audio Jack (Line in/ Mic in/ Headphone out)	1 x USB 3.1 Gen2 Type-C (Support Battery Charging 1.2) 1 x USB 3.1 Gen1 1 x USB 2.0 1 x Audio Jack (Line in/ Mic in/ Headphone out)	
Side I/O	1 x Kensington Lock	1 x Kensington Lock	1 x Kensington Lock	1 x Kensington Lock	
Rear I/O	1 x HDMI 1.4 Port 1 x USB 3.1 Gen1 Type-C (support Mini-DisplayPort 1.2) 2 x USB 3.1 Gen1 Type-A 1xConfigurable Port (options: COM, VGA, DisplayPort, LAN)* 1 x RJ45 LAN 1 x DC-in	2 x USB 3.1 Gen1 1 x HDMI 1 x Mini-DisplayPort 1 x Configurable port (options: COM, VGA)* 1 x LAN (RJ45) Port 1 x DC-in	1 x USB3.1 Gen1 Type-C (Support Display Port 1.2) 2 x USB 3.1 Gen1 1 x HDMI 1 x Configurable port (options: COM, VGA, HDMI, DisplayPort, LAN, Thunderbolt 3)* 1 x LAN (RJ45) Port 1 x DC-in	1 x USB 3.1 Gen1 Type-C (Support DisplayPort 1.2) 2 x USB 3.1 Gen1 1 x HDMI 1 x Configurable port (options: COM, VGA, DisplayPort, LAN, Thunderbolt 3)* 1 x LAN (RJ45) Port 1 x DC-in	
Card Reader	N/A	N/A	N/A	N/A	
Power Supply	19Vdc, 3.42A, 65W Power Adapter	19Vdc, 3.42A, 65W Power Adapter	19Vdc, 3.42A, 65W Power Adapter	19Vdc, 3.42A, 65W Power Adapter, 19Vdc, 4.74A, 90W Power Adapter	
Dimension	115 x 115 x 49 mm (0.62L)	115 x 115 x 49 mm (0.62L)	115 x 115 x 49 mm (0.62L)	115 x 115 x 49 mm (0.62L)	

*option provided may vary from region

Series	PB Series				
Model	PB40	PB50	PB60	PB60V	PB60G
OS	Windows®10 Pro, Windows®10 Home or W/O OS	Windows®10 Pro, Windows®10 Home or W/O OS	Windows®10 Pro, Windows®10 Home or W/O OS	Windows®10 Pro, Windows®10 Home or W/O OS	Windows®10 Pro, Windows®10 Home or W/O OS
CPU	Intel® Celeron® N4000 Processor (TDP 6W,Fanless or 10W with Fan)	Intel® Core™ i7-8700T/i5-8400T/i3-8100T Processors Intel® Pentium® Gold G5400T Processors	AMD Ryzen™ 5-3550H	Intel® Core™ i7-8700T/i5-8500T Processors	Intel® Core™ i7-8700T/i5-8400T/i3-8100T Processors Intel® Pentium® Gold G5400T Processors Intel® Celeron® G4900T Processor
Chipset	Integrated	Integrated	Intel® B360	Intel® Q370 with vPro™/Unite™ support	Intel® B360
Graphics	Integrated-Intel® UHD Graphics	Radeon™ Vega 8 Graphics	Integrated-Intel® UHD Graphics	Integrated-Intel® UHD Graphics	Integrated-Intel® UHD Graphics
Memory	2 x SO-DIMM DDR4 2400 MHz memory, up to 8GB	2 x SO-DIMM DDR4 2400 MHz memory, up to 32GB	2 x SO-DIMM DDR4 2400 MHz memory, up to 32GB	2 x SO-DIMM DDR4 2400 MHz memory, up to 32GB	2 x SO-DIMM DDR4 2400 MHz memory, up to 32GB
Storage	eMMC onboard (32GB / 64GB) 1 x SATA 6Gb/s connector (Support M.2 SSD 2280 or 2280) 1 x M.2 connector (Support M.2 SSD 2242 or 2280) *Support 2280 16G/32G Intel® Optane™ memory *Support NVMe SSD	1 x SATA 6Gb/s connector , Support 2.5" HDD or SSD 1 x M.2 connector (Support M.2 SSD 2280) *Support 2280 16G/32G Intel® Optane™ memory *Support NVMe SSD	1 x M.2 2280 (128G/256G SATA/PCIE G3X4) 1 x M.2 connector (Support M.2 SSD 2242 or 2280)	1 x M.2 2280 (128G/256G SATA/PCIE G3X4), Support Optane memory 1 x SATA 6Gb/s (2.5" 7200RPM 500GB/1TB HDD)	1 x M.2 2280 (128G/256G SATA/PCIE G3X4), Support Optane memory 1 x SATA 6Gb/s (2.5" 7200RPM 500GB/1TB HDD)
Wireless Network	1 x M.2 2230 WiFi card (Support Intel 11ac+BT4)	1 x M.2 2230 WiFi card (Support Intel 11ac+BT5)	1 x M.2 2230 WiFi card (Support Intel 11ac+BT4)	1 x M.2 2230 WiFi card (Support Intel 11ac+BT5)	1 x M.2 2230 WiFi card] (Support Intel 11ac+BT5)
LAN	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
Optical Drive	N/A	Optional	Optional	Optional	Optional
Integrated Speaker	Optional	Optional	Optional	N/A	N/A
Weight	1.4 kg (include 2.5" HDD)	2.18 kg (include 2.5" HDD)	1.76 kg (include 2.5" HDD)	1.76 kg (include 2.5" HDD)	1.25 kg (with graphic module)
TPM	fTPM 2.0 or TPM 2.0 chip (Optional)	fTPM or TPM chip (Optional)	fTPM or TPM 2.0 chip (Optional)	fTPM 2.0 or TPM 2.0 chip (Optional)	TPM 2.0 chip
Front I/O	1 x USB 3.1 Gen1 Type C 4 x USB 3.1 Gen1 (1 w/ quick charge) 1 x Mic in jack 1 x Audio Jack	4 x USB 3.1 Gen2 (1 x support Battery Charger 1.2) 1 x USB3.1 Gen2 Type-C 1 x Mic in jack 1 x Audio Jack	1 x USB 3.1 Gen1 Type C 2 x USB 3.1 Gen2 (1 w/ quick charge) 1 x Mic in jack 1 x Audio Jack	1 x USB 3.1 Gen1 Type C 2 x USB 3.1 Gen2 (1 w/ quick charge) 1 x Mic in jack 1 x Audio Jack	1 x USB 3.1 Gen1 Type C 2 x USB 3.1 Gen2 (1 w/ quick charge) 1 x Mic in jack 1 x Audio Jack
Side I/O	N/A	N/A	N/A	N/A	N/A
Interface	1 x DisplayPort 1.2 1 x Configurable Port (Optional:VGA, COM, DisplayPort)* 1 x COM port 1 x USB 3.1 Gen1 1 x USB 2.0 1 x RJ45 LAN 1 x Kensington Lock 1 x DC-in	2 x USB3.1 Gen2 1 x HDMI 1 x Display Port 1.2 1 x Configurable Port (Optional:VGA, COM, DisplayPort)* 1 x USB 3.1 Gen2 2 x USB 2.0 1 x RJ45 LAN 1 x Kensington Lock 1 x DC-in	1 x DisplayPort 1.2 1 x HDMI 1 x Configurable Port (Optional:VGA, COM, DisplayPort)* 1 x USB 3.1 Gen2 2 x USB 2.0 1 x RJ45 LAN 1 x Kensington Lock 1 x DC-in	1 x DisplayPort 1.2 1 x HDMI 1 x Configurable Port (Optional:VGA, COM, DisplayPort)* 1 x USB 3.1 Gen2 2 x USB 2.0 1 x RJ45 LAN 1 x Kensington Lock 1 x DC-in	1 x DisplayPort 1.2 1 x HDMI 1 x Configurable Port (Optional:VGA, COM, DisplayPort)* 1 x USB 3.1 Gen2 2 x USB 2.0 1 x RJ45 LAN 1 x Kensington Lock 1 x DC-in
Rear I/O	1 x HDMI 1.4 Port 1 x USB 3.1 Gen1 Type-C (support Mini-DisplayPort 1.2) 2 x USB 3.1 Gen1 Type-A 1xConfigurable Port (options: COM, VGA, DisplayPort, LAN)* 1 x RJ45 LAN 1 x DC-in	2 x USB 3.1 Gen1 1 x HDMI 1 x Mini-DisplayPort 1 x Configurable port (options: COM, VGA, HDMI, DisplayPort, LAN, Thunderbolt 3)* 1 x LAN (RJ45) Port 1 x DC-in	1 x USB 3.1 Gen1 Type-C 2 x USB 3.1 Gen1 1 x HDMI 1 x Configurable port (options: COM, VGA, DisplayPort, LAN, Thunderbolt 3)* 1 x LAN (RJ45) Port 1 x DC-in	19Vdc, 4.74A 90W (i7-8700T) 19Vdc, 3.42A 65W (i5-8400T/i3-8100T/Pentium Gold G5400T) Power Adapter	19Vdc, 4.74A 90W (i7-8700T) 19Vdc, 3.42A 65W (i5-8400T/i3-8100T/Pentium Gold G5400T) Power Adapter
Power Supply	19Vdc, 3.42A, 65W Power Adapter	19Vdc, 4.74A, 90W Power Adapter	19Vdc, 4.74A 90W (i7-8700T) 19Vdc, 3.42A 65W (i5-8400T/i3-8100T/Pentium Gold G5400T) Power Adapter	19Vdc, 4.74A 90W (i7-8700T) 19Vdc, 3.42A 65W (i5-8400T/i3-8100T/Pentium Gold G5400T) Power Adapter	19Vdc, 3.42A, 65W Power Adapter
Card Reader	N/A	N/A	N/A	N/A	N/A
Dimension	175 x 175 x 34.2 mm (1.047L)	175 x 175 x 65 mm	175 x 175 x 34.2 mm (1.047L)	175 x 175 x 34.2 mm (1.047L)	175 x 175 x 70.2 mm (with VGA box)

*option provided may vary from region



Series	ProArt Series	Series	Chromebox Series
Model	ASUS Mini PC PA90	Model	Chromebox 3 (CN65)
OS	Windows®10 64Bit, Windows®10 Pro 64Bit or W/O OS	OS	Chrome OS
CPU	Intel® 9th Gen Core™ i9-9900K/i7-9700K Processors		
Chipset	Intel® Z390 chipset	CPU	Intel® Core™ i7-8550U Processor Intel® Core™ i5-8250U Processor Intel® Core™ i3-7100U Processor
Graphics	NVIDIA® Quadro® P4000/P2000 Graphics		
Memory	4 x SO-DIMM DDR4 2666/2133MHz, up to 64GB *Memory frequency at 2133MHz with 4 DIMMs installed	Graphics	Integrated - Intel® HD Graphics 610 Integrated - Intel® HD Graphics 620
Storage	2 x M.2 2242/2280 (SATA/PCIE G3X4) 1 x SATA 6Gb/s (2.5" 7200RPM HDD) *Intel® Optane® Technology support	Memory	2 x SO-DIMM, DDR4 2133/2400 MHz memory (4GB to 16GB)
Optical Drive	N/A	Storage	M.2 SSD (32GB to 256GB)
Wireless Network	1 x M.2 2230 WiFi card	Wireless Network	Intel Dual Band WiFi AC, Bluetooth V4.2
LAN	10/100/1000 Mbps	LAN	10/100/1000 Mbps
Front I/O	2 x USB 3.1 Gen2 1 x Mic in jack 1 x Audio Jack	Front I/O	2 x USB 3.1 Gen1 (support BC1.2) 1 x Audio Jack (Combo Mic/Headphone Jack) 1 x Micro SD card
Rear I/O	2 x USB 3.1 Gen2 4 x DisplayPort 1.4* 2 x Thunderbolt® 3 1 x RJ45 LAN 1 x Line-out 2 x DC-in *Video outputs depend on graphics cards	Interface	Side I/O 1 x Kensington Lock
Card Reader	N/A	Rear I/O	2 x USB 2.0 1 x USB 3.1 Gen1 1 x USB 3.1 type-C (USB3.0/ PowerDelivery/DisplayPort) 1 x HDMI 1 x LAN (RJ45) Port 1 x DC-in
Audio	Realtek® ALC1220 6-channel		3 x USB 3.1 Gen1 1 x USB 3.1 type-C (USB3.0/ PowerDelivery/DisplayPort) 1 x HDMI 1 x LAN (RJ45) Port 1 x DC-in
TPM	fTPM 2.0 or TPM 2.0 chip (Optional)		
Power Supply	19.5Vdc, 9.23A, 180W 19.5Vdc, 11.8A, 230W Power Adapters	Card Reader	Micro SD/SDHC/SDXC
		Power Supply	65W Power Adapter: Celeron 3865U / Core™ i3-7100U 90W Power Adapter: Core™ i5-8250U / Core™ i7-8550U
Physical	Dimension Weight	Physical Dimension	148.5 x 148.5 x 40mm 176 x 176 x 365 mm 5.8 kg
		Weight	1 Kg

Series	VivoMini Series		
Model	VC65-C1	VC66-C	VC68V
OS	Windows®10 Pro, Windows®10 Home or W/O OS	Windows®10 Pro, Windows®10 Home or W/O OS	Windows®10 Pro or W/O OS
CPU	Intel® Core™ i7-8700T/i5-8400T/i3-8100T Processors Intel® Pentium Gold® G5400T Processor Intel® Celeron® G4900T Processor	Intel® Core™ i7-8700/i5-8400/i3-8100 Processors Intel® Pentium Gold® G5400 Processor Intel® Celeron® G4900 Processor	Intel® Core™ i7-7700 Processor, Intel® Core™ i5-7500 Processor
Chipset	Intel® B360	Intel® H310	Intel® Q270 with vPro™/Unite™ support
Graphics	Integrated - Intel® UHD Graphics 630/610 (vary by CPU sku)	Integrated - Intel® UHD Graphics 630/610 (vary by CPU sku)	Integrated - Intel® HD Graphics 630
Memory	2 x SO-DIMM DDR4-2400 MHz memory (4GB to 32GB)	2 x SO-DIMM DDR4-2400 MHz memory (4GB to 32GB)	2 x SO-DIMM DDR4-2400 MHz memory (4GB to 32GB)
Storage	1 x M.2 connector Support Optane memory (PCIe/SATA mode), 4 x SATA 6Gb/s connector (Support 2.5" HDD or SSD) *ODD sku supports up to 2 SATA *Support NVMe	1 x M.2 connector (PCIe/SATA mode), 2 x SATA 6Gb/s connector (Support 2.5" HDD or SSD) *ODD sku supports up to 1 SATA *Support NVMe	4 x SATA 6Gb/s; 2.5" 500G/1TB HDD or 128G to 512G SSD 1 x M.2 2280, PCIe SSD; 128G to 256G SSD; 2280 16G Intel® Optane™ memory *ODD Skus support 2 x SATA 6Gb/s only *Support NVMe
Wireless Network	Intel 802.11ac + BT V5.0	Intel 802.11ac + BT V5.0	Intel 802.11ac + BT V4.2
LAN	10/100/1000 Mbps	10/100/1000 Mbps	Intel® I219LM Gigabit LAN
Weight	2.17 kg (Including ODD or 4 storages)	1.5 kg (Including 2 storages)	2.17 kg (Including ODD or 4 storages)
TPM	fTPM or TPM chip (Optional)	fTPM or TPM chip optional	YES, TPM 2.0
Front I/O	1 x USB3.1 Gen2 (with fast charging) 1 x USB3.1 Gen1	1 x USB 3.1 Gen1 Type-C 1 x USB 3.1 Gen1 2 x USB 2.0 1 x Audio(Line out/Mic in/Headphone out)	2 x USB 3.1 Gen2 Type-A
Side I/O	1 x 4-in-1 Card Reader	N/A	1 x 4-in-1 Card Reader
Rear I/O	2 x USB 3.1 Gen1 1 x USB 3.1 Gen2 1 x USB 3.1 Gen2 Type C 1 x HDMI 1 x DisplayPort 1 x D-Sub 1 x COM port 1 x LAN (RJ45) Port 2 x Audio Jacks (1x Mic in/Line out, 1x Line out) 1 x Kensington Lock 1 x DC-in	2 x USB 3.1 Gen1 1 x HDMI 1 x DisplayPort 1 x DVI-I 1 x COM port 1 x LAN (RJ45) Port 1 x Kensington Lock 1 x DC-in	4 x USB 3.1 Gen1 Type-A 1 x HDMI (Support Ultra HD 4K) 2 x DisplayPort (Support Ultra HD 4K) 1 x COM Port 1 x LAN (RJ45) Port 2 x Audio Jacks (Mic in/Headphone out) 1 x Kensington Lock 1 x DC-in
Card Reader	4-in-1: SD/SDHC/SDXC/MMC	4-in-1: SD/SDHC/SDXC/MMC	* The actual data transfer speed may depend on the memory card specifications.
Power Supply	19V/4.84A	19Vdc, 6.32A, 120W Power Adapter	19Vdc, 6.32A, 120W Power Adapter
Dimension	197.5 x 196.3 x 49.3 mm (with 2 storages SKU) 197.5 x 196.3 x 61.9 mm (with ODD or 4 storages SKU)	197.5 x 196.3 x 49.3 mm (with 2 storages SKU) 197.5 x 196.3 x 64.4 mm (with ODD or 4 storages SKU)	197.5 x 196.3 x 49.3 mm (with 2 storages SKU) 197.5 x 196.3 x 64.4 mm (with ODD or 4 storages SKU)



	Model	BE27AQLB	BE24DQLB	BE24AQLBH	BE24AQLB	BE249QLBH
Display	Panel Size (Diagonal)	27" (68.47cm) Wide Screen (16:9)	23.8" (60.47cm) Wide Screen (16:9)	24.1" (61.13cm) Wide Screen (16:10)	24.1" (61.13cm) Wide Screen (16:10)	23.8" (60.5cm) Wide Screen (16:9)
	Display Viewing Area	596.74mm (H) x 335.66mm (V)	527.04mm (H) x 296.46mm (V)	518.4mm (H) x 324.0mm (V)	518.4mm (H) x 324.0mm (V)	527.04mm (H) x 296.46mm (V)
	Panel Backlight / Type	WLED / IPS				
	Display Surface (Non-glare / Glare)	Non-glare	Non-glare	Non-glare	Non-glare	Non-glare
	Color Saturation	72% (NTSC)	72% (NTSC)	100% sRGB	72% (NTSC)	72% (NTSC)
	True Resolution	2560 x 1440	1920 x 1080	1920 x 1200	1920 x 1200	1920 x 1080
	Pixel Pitch	0.2331mm	0.2745mm	0.270mm	0.270mm	0.2745mm
	Brightness (Max.)	350cd/m²	250cd/m²	300cd/m²	250cd/m²	250cd/m²
	Contrast Ratio (Max.)	1,000:1	1,000:1	1,000:1	1,000:1	1,000:1
	ASUS SmartContrast Ratio (ASCR)	100,000,000:1	100,000,000:1	100,000,000:1	100,000,000:1	100,000,000:1
	Viewing Angle (CR ≥ 10)	178° (H) / 178° (V)				
Video Features	Display Colors	16.7M	16.7M	16.7M	16.7M	16.7M
	Response Time	5ms (Gray to Gray)				
	Flicker-free	Yes	Yes	Yes	Yes	Yes
	Trace Free Technology	Yes	Yes	Yes	Yes	Yes
	SPLendid™ Video Intelligence Tech. (Mode)	8 modes (Standard / sRGB / Scenery / Standard / sRGB / Scenery / Standard / sRGB / Scenery / Theater / Game / Darkroom / Theater / Game / Darkroom // Theater / Night View // Theater / Night View / Reading / Darkroom)	8 modes (Standard / sRGB / Scenery / Standard / sRGB / Scenery / Standard / sRGB / Scenery / Theater / Game / Darkroom / Theater / Game / Darkroom // Theater / Night View // Theater / Night View / Reading / Darkroom)	7 modes (Standard / sRGB / Scenery / Standard / sRGB / Scenery / Standard / sRGB / Scenery / Theater / Game / Darkroom / Theater / Game / Darkroom // Theater / Night View // Theater / Night View / Reading / Darkroom)	7 modes (Standard / sRGB / Scenery / Standard / sRGB / Scenery / Standard / sRGB / Scenery / Theater / Game / Darkroom / Theater / Game / Darkroom // Theater / Night View // Theater / Night View / Reading / Darkroom)	7 modes (Standard / sRGB / Scenery / Standard / sRGB / Scenery / Standard / sRGB / Scenery / Theater / Game / Darkroom / Theater / Game / Darkroom // Theater / Night View // Theater / Night View / Reading / Darkroom)
	Blue Light Filter	Yes	Yes	Yes	Yes	Yes
	Skin-Tone Selection Color	3 modes				
Audio Features	Temperature Selection	4 modes				
	HDCP	Yes	Yes	Yes	Yes	Yes
	QuickFit (Modes)	Yes	Yes	Yes	Yes	Yes
	Webcam (Built-in)	NA	BE24DQLB: 2M 1080P; Swivel 180° ~ -135°, Tilt 10° ~ -10°	NA	NA	NA
	Stereo Speaker	2W x 2 Stereo, RMS				
Input / Output	Signal Input	HDMI x 1, DisplayPort x 1, Mini DisplayPort 1.2 x 1, Dual-link DVI-D x 1	HDMI x 1, DisplayPort x 1, DVI-D x 1, D-sub x 1	HDMI x 1, DisplayPort x 1, DVI-D x 1, D-sub x 1	DisplayPort x 1, DVI-D x 1, D-sub x 1	HDMI x 1, DisplayPort x 1, DVI-D x 1, D-sub x 1
	PC Audio Input	3.5mm Mini-Jack				
	Earphone Jack	3.5mm Mini-Jack				
	Microphone	NA	Mic Array x 2	NA	NA	NA
	USB Port (s)	USB3.0 x 4 ports	USB3.0 x 3 ports	USB3.0 x 2 ports	USB3.0 x 2 ports	USB3.0 x 2 ports
Power	Power Consumption**	<18.82W	<19W	<17.1W	<17.1W	<14.4W
	Power Saving Mode	<0.5W	<0.3W	<0.5W	<0.5W	<0.5W
	Power Off Mode	0W (Hard Switch)				
	Voltage	100–240V, 50 / 60Hz				
Mechanical Design	Chassis Colors	Black	Black	Black	Black	Black
	Tilt(angle)	35° ~ -5°	35° ~ -5°	35° ~ -5°	33° ~ -5°	35° ~ -5°
	Swivel (Angle)	90° ~ -90°	90° ~ -90°	90° ~ -90°	90° ~ -90°	90° ~ -90°
	Pivot (Angle/Direction)	90° ~ -90°	90° ~ -90°	90° ~ -90°	90° ~ -90°	90° ~ -90°
	Height Adjustment	0mm ~ 150mm	0mm ~ 145mm	0mm ~ 130mm	0mm ~ 130mm	0mm ~ 130mm
Security	VESA Wall Mounting	100mm x 100mm				
	Kensington lock	Yes	Yes	Yes	Yes	Yes
Dimension	Phys. Dimension with Stand(WxHxD)	615mm x 382mm x 226mm	568.61mm x 399.08mm x 226.35mm	561mm x 381mm x 211mm	561mm x 381mm x 211mm	562mm x 362mm x 211mm
	Phys. Dimension without Stand (WxHxD) (For VESA Wall Mount)	615mm x 372mm x 51mm	568.61mm x 386.49mm x 56.2mm	561mm x 372mm x 50mm	561mm x 372mm x 50mm	562mm x 340mm x 50mm
Weight	Net Weight (Esti.)	7.72kg	6.70kg	6.2kg	6.2kg	5.8kg
	Net Weight without Stand (For VESA Wall Mount)	4.96kg	3.91kg	3.9kg	3.9kg	3.53kg



Model	BE249QLB	BE239QLBH	BE239QLB	BE209QLB	
Display	Panel Size (Diagonal)	23.8" (60.5cm) Wide Screen (16:9)	23" (58.4cm) Wide Screen (16:9)	23" (58.4cm) Wide Screen (16:9)	19.45" (49.40cm) Wide Screen (16:10)
	Display Viewing Area	527.04mm (H) x 296.46mm (V)	509.184mm (H) x 286.416mm (V)	509.184mm (H) x 286.416mm (V)	418.608mm (H) x 262.35mm (V)
	Panel Backlight / Type	WLED / IPS	WLED / IPS	WLED / IPS	WLED / IPS
	Display Surface (Non-glare / Glare)	Non-glare	Non-glare	Non-glare	Non-glare
	Color Saturation	72% (NTSC)	72% (NTSC)	72% (NTSC)	72% (NTSC)
	True Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1440 x 900
	Pixel Pitch	0.2745mm	0.2652mm	0.2652mm	0.2907mm x 0.2915mm
	Brightness (Max.)	250cd/m²	250cd/m²	250cd/m²	250cd/m²
	Contrast Ratio (Max.)	1,000:1	1,000:1	1,000:1	1,000:1
	ASUS Smart Contrast Ratio (ASCR)	100,000,000:1	100,000,000:1	100,000,000:1	100,000,000:1
	Viewing Angle (CR ≥ 10)	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)
	Display Colors	16.7M	16.7M	16.7M	16.7M
Video Features	Response Time	5ms (Gray to Gray)	5ms (Gray to Gray)	5ms (Gray to Gray)	5ms (Gray to Gray)
	Flicker-free	Yes	Yes	Yes	Yes
	Trace Free Technology	Yes	Yes	Yes	Yes
	SPLendid™ Video Intelligence Tech. (Mode)	7 modes (Standard / sRGB / Scenery / Theater / Night View / Reading / Scenery / Theater / Night View / Darkroom)	7 modes (Standard / sRGB / Scenery / Theater / Night View / Reading / Darkroom)	7 modes (Standard / sRGB / Scenery / Theater / Night View / Reading / Scenery / Theater / Night View / Darkroom)	7 modes (Standard / sRGB / Scenery / Theater / Night View / Reading / Darkroom)
	Blue Light Filter	Yes	Yes	Yes	Yes
	Skin-Tone Selection	3 modes	3 modes	3 modes	3 modes
	Color Temperature Selection	4 modes	4 modes	4 modes	4 modes
	HDCP	Yes	Yes	Yes	Yes
	QuickFit (Modes)	Yes	Yes	Yes	Yes
	Webcam (Built-in)	NA	NA	NA	NA
Audio Features	Stereo Speaker	2W x 2 Stereo, RMS	2W x 2 Stereo, RMS	2W x 2 Stereo, RMS	2W x 2 Stereo, RMS
Input / Output	Signal Input	DisplayPort x 1, DVI-D x 1, D-sub x 1	HDMI x 1, DisplayPort x 1, DVI-D x 1, D-sub x 1	DisplayPort x 1, DVI-D x 1, D-sub x 1	DisplayPort x 1, DVI-D x 1, D-sub x 1
	PC Audio Input	3.5mm Mini-Jack	3.5mm Mini-Jack	3.5mm Mini-Jack	3.5mm Mini-Jack
	Earphone Jack	3.5mm Mini-Jack	3.5mm Mini-Jack	3.5mm Mini-Jack	3.5mm Mini-Jack
	Microphone	NA	NA	NA	NA
Power	USB Port (s)	USB3.0 x 2 ports	USB3.0 x 2 ports	USB3.0 x 2 ports	USB3.0 x 2 ports
	Power Consumption**	<14.4W	<14.33W	<14.33W	<13.05W
	Power Saving Mode	<0.5W	<0.5W	<0.5W	<0.5W
	Power Off Mode	0W (Hard Switch)	0W (Hard Switch)	0W (Hard Switch)	0W (Hard Switch)
	Voltage	100-240V, 50 / 60Hz	100-240V, 50 / 60Hz	100-240V, 50 / 60Hz	100-240V, 50 / 60Hz
Mechanical Design	Chassis Colors	Black	Black	Black	Black
	Tilt(angle)	35° ~ -5°	35° ~ -5°	35° ~ -5°	35° ~ -5°
	Swivel (Angle)	90° ~ -90°	90° ~ -90°	90° ~ -90°	90° ~ -90°
	Pivot (Angle/Direction)	90° ~ -90°	90° ~ -90°	90° ~ -90°	90° ~ -90°
	Height Adjustment	0mm ~ 130mm	0mm ~ 130mm	0mm ~ 130mm	0mm ~ 130mm
	VESA Wall Mounting	100mm x 100mm	100mm x 100mm	100mm x 100mm	100mm x 100mm
Security	Kensington lock	Yes	Yes	Yes	Yes
Dimension	Phys. Dimension with Stand (WxHxD)	562mm x 362mm x 211mm	548mm x 360mm x 211mm	548mm x 360mm x 211mm	457mm x 346mm x 211mm
	Phys. Dimension without Stand (WxHxD) (For VESA Wall Mount)	562mm x 340mm x 50mm	548mm x 333mm x 50mm	548mm x 333mm x 50mm	457mm x 306mm x 50mm
Weight	Net Weight (Esti.)	5.8kg	5.7kg	5.7kg	4.8kg
	Net Weight without Stand (For VESA Wall Mount)	3.53kg	3.43kg	3.43kg	2.53kg



Model	ZenScreen Go MB16AHP	ZenScreen Go MB16AP	ZenScreen MB16AC	MB169C+	
Display	Panel Size (Diagonal)	15.6" (39.6cm) Wide Screen (16:9)	15.6" (39.6cm) Wide Screen (16:9)	15.6" (39.6cm) Wide Screen (16:9)	15.6" (39.6cm) Wide Screen (16:9)
	Display Viewing Area	344.16mm (H) x 193.59mm (V)	344.16mm (H) x 193.59mm (V)	344.16mm (H) x 193.59mm (V)	344.16mm (H) x 193.59mm (V)
	Panel Backlight / Type	WLED / IPS	WLED / IPS	WLED / IPS	WLED / IPS
	Display Surface (Non-glare / Glare)	Glare	Glare	Glare	Non-glare
	True Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Pixel Pitch	0.179mm	0.179mm	0.179mm	0.179mm
	Brightness (Max.)	220cd/m ²	220cd/m ²	220cd/m ²	180cd/m ²
	Contrast Ratio (Max.)	800:1	800:1	800:1	700:1:00
	ASUS Smart Contrast Ratio (ASCR)	100,000,000:1	100,000,000:1	100,000,000:1	100,000,000:1
	Viewing Angle (CR ≥ 10)	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)	160° (H) / 160° (V)
	Display Colors	262,144	262,144	262,144	262,144
	Response Time	5ms (Gray to Gray)	5ms (Gray to Gray)	5ms (Gray to Gray)	5ms (Gray to Gray)
	Flicker-free	Yes	Yes	Yes	Yes
Video Features	SPLENDID™ Video Intelligence Tech. (Mode)	8 modes (Standard / sRGB / Scenery/Theater / Game / Darkroom / Night View / Reading)	9 modes (Standard / sRGB / Scenery/Theater / Game / Darkroom / Night View / Reading / ECO)	8 modes (Standard / sRGB / Scenery/Theater / Game / Darkroom / Night View / Reading)	8 modes (Standard / sRGB / Scenery/Theater / Game / Darkroom / Night View / Reading)
	Blue Light Filter	Yes	Yes	Yes	Yes
	Skin-Tone Selection	3 modes	3 modes	3 modes	3 modes
	Color Temperature Selection	4 modes	4 modes	4 modes	4 modes
	HDCP	Yes	Yes	Yes	Yes
	QuickFit (Modes)	Yes	Yes	Yes	Yes
	GamePlus	Yes	Yes	Yes	Yes
Audio Features	Smart View Technology	NA	NA	NA	NA
	Stereo Speaker	1W x 2 Stereo, RMS	NA	NA	NA
Input / Output	Signal Input	USB Type-C x 1, micro HDMI x 1	USB Type-C x 1	USB Type-C x 1	USB Type-C x 1
	USB Port (s)	USB Type-C	USB Type-C	USB Type-C	USB Type-C
	Power Consumption**	<9W	<9W	<8W	<7.5W
Power	Power Saving Mode	<0.5W	<0.5W	0W	0W
	Battery	7,800mAh	7,800mAh	NA	NA
	Voltage	5V	5V	5V	5V
Mechanical Design	Chassis Colors	Dark Gray	Dark Gray	Dark Gray	Silver + Black
	Pivot (Angle/Direction)	Yes	Yes	Yes	NA
Dimension	Phys. Dimension with Stand (WxHxD)	359.7mm x 226.4mm x 8.0mm	359.7mm x 226.4mm x 8.0mm	359.7mm x 226.4mm x 8.0mm	379mm x 236mm x 8.5mm
Weight	Net Weight (Esti.)	0.9kg	0.85kg	0.78kg	0.8kg

Model	VT229H/N	VT168H/N	
Display	Panel Size (Diagonal)	21.5" (54.6cm) Wide Screen (16:9)	15.6" (39.6cm) Wide Screen (16:9)
	Display Viewing Area	476.64mm (H) x 268.11mm (V)	344.23mm (H) x 193.54mm (V)
	Panel Backlight / Type	WLED / IPS	WLED / IPS
	Display Surface (Non-glare / Glare)	Glare	Glare
	True Resolution	1920 x 1080	1366 x 768
	Pixel Pitch	0.2482mm	0.252mm
	Brightness (Max.)	250cd/m ²	200cd/m ²
	Contrast Ratio (Max.)	1,000:1	600:1
	ASUS Smart Contrast Ratio (ASCR)	100,000,000:1	50,000,000:1
	Viewing Angle (CR ≥ 10)	178° (H) / 178° (V)	90° (H) / 65° (V)
	Display Colors	16.7M	262,144
	Response Time	5ms (Gray to Gray)	10ms (Gray to Gray)
Video Features	Flicker-free	Yes	Yes
	Touch Screen	Capacitive 10-point Multi-touch	Capacitive 10-point Multi-touch
	SPLENDID™ Video Intelligence Tech. (Mode)	8 modes (Standard / sRGB / Scenery/Theater / Game / Darkroom / Night View / Reading)	8 modes (Standard / sRGB / Scenery/Theater / Game / Darkroom / Night View / Reading)
	Blue Light Filter	Yes	Yes
	Skin-Tone Selection	3 modes	3 modes
	Color Temperature Selection	4 modes	4 modes
	HDCP	Yes	Yes
Audio Features	QuickFit (modes)	Yes	Yes
	GamePlus	NA	Yes
	Smart View Technology	NA	Yes
	Stereo Speaker	1.5W x 2 Stereo, RMS (VT229H)	NA
	Signal Input	HDMI x 1, D-sub x 1 (VT229H) DVI x 1, D-sub x 1 (VT229N)	HDMI x 1 -sub x 1 (VT168H) DVI x 1, D-sub x 1 (VT168N)
Input / Output	USB Port (s)	USB2.0 (for touch signal)	micro USB (for touch signal)
	Power Consumption**	<21.9W	<5.78W
	Power Saving Mode	<0.5W	<0.5W
	Voltage	100-240V, 50 / 60 Hz	100-240V, 50 / 60 Hz
Mechanical Design	Chassis Colors	Black	Black
	Tilt (Angle)	20° ~ -5°	30° ~ -5°
	VESA Wall Mounting(mm)	100mm x 100mm	75mm x 75mm
	Security	Kensington lock	Yes
	Dimension	Phys. Dimension with Stand (WxHxD)	491.5mm x 300.1mm x 204.4mm
Weight	Net Weight (Esti.)	3.7kg	1.4kg

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