

# Shuttle®

## Shuttle®

## Product Guide 2016



Superb for Home, Work, Business and Industrial applications

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## About Shuttle

Established in 1983, Shuttle Inc. is based in Taiwan with an extensive worldwide network of subsidiaries, resellers, partners and suppliers. With over 30 years in desktop relative design, manufacturing and working with Intel, AMD, and NVIDIA, Shuttle has the affirmed superior quality of products and services. Keeping "Innovation, Quality, Integrity and Service" in mind, Shuttle produces the best quality products at a competitive cost to meet its customers' needs. Shuttle has received numerous international awards due to its advanced thermal technology and mechanical design and has passed ISO 9001 and ISO 14001 certifications.



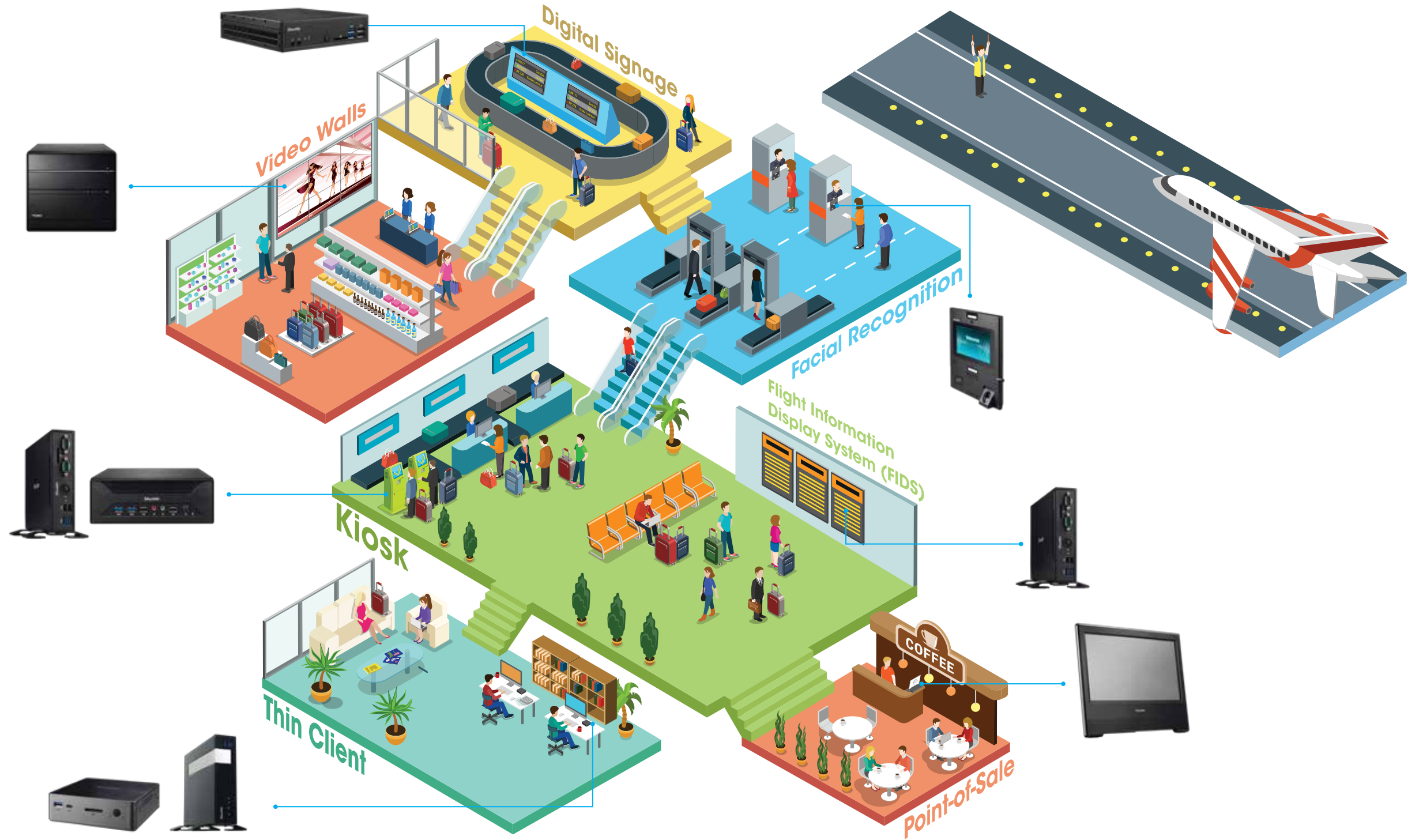
Since the creation of the world's first-ever mini-PC in 2001, Shuttle Inc. has been recognized as an industry leading designer and manufacturer of small form factor (SFF) computers and accessories for consumer and commercial sectors. Experienced in small form factors and thermal technology, Shuttle XPCs are now applied to Digital Signage, Point-Of-Sale, Kiosk, and Access control vertical solutions. Shuttle offers its vertical customers the most cost effective and customizable hardware solution options. Shuttle's product profile includes a range of entry level to high performance Slim PCs, Mini PCs, All-in-One PCs, and Biometric solutions. All Shuttle products use the highest quality materials and parts, with excellent cooling technology and low-power consumption.

Whether your business operates in hospitality, retail, banking, transportation, government, healthcare, education, or security, Shuttle can provide the solution you're looking for to increase your competitiveness.

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Target, engage, and inform with Shuttle solutions

# High Performance Slim PCs to power Kiosks and Office, XH170V & XH 110 Series

Shuttle's XH170V and XH110 series includes three powerful 3-liter slim PCs that feature robust performance and are suitable for not only home media, but also for office or industrial applications. With new LGA 1151 socket and Intel® 6th (Skylake) processors, the series can play 4K video content and offer multiple video outputs to drive up to three independent screens(XH170V only). With huge storage capacity, the series allows for up to three 2.5" HDD/SSD or one 3.5" HDD\* for a wide range of applications. Thanks to its advanced heat pipe and smart fan design, the series is 24/7 certified and runs quietly and reliably cool in 0-50°C temperatures, ideal for commercial environments such as office, digital signage, Kiosk, POS, and POI.

\*Note: Installation of ODD is not compatible with 3.5" HDD configuration.



- Strong ability to connect peripherals
- 24/7 Certified in 0-50°C Environments
- Supports up to three independent screens
- Dual Intel® Gigabit LAN Network(XH110 series only)



RS232



PS/2 Port

XH110 series only



0°C~50°C



Triple Display

XH170V only



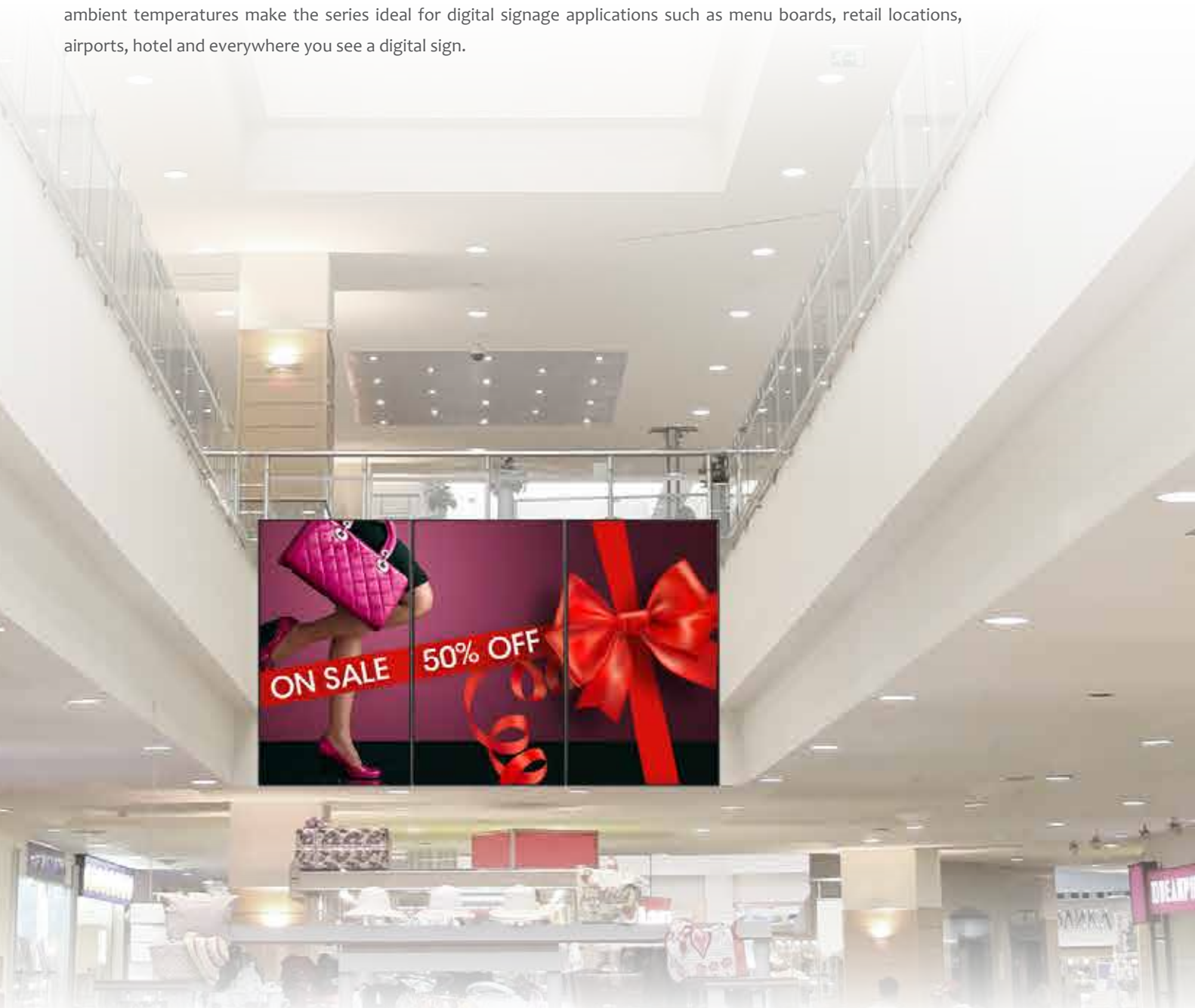
Dual Giga LAN

XH110 series only



# 4K High-performance Digital Signage Player-DQ170, DH series, DS series, XS series & DX30

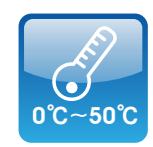
To meet the diverse digital signage market and ultra-high resolution display demands, Shuttle offers the right signage player for every scenario-including a range of entry level to high performance 1-liter Slim PCs. This series seamlessly plays 4K video content and supports multiple-screen displays. Robust, compact and stylish, this series is housed in a metal chassis design for rugged durability. 24/7 certified, VESA mountable and reliable operation in up to 0-50°C of ambient temperatures make the series ideal for digital signage applications such as menu boards, retail locations, airports, hotel and everywhere you see a digital sign.



1-liter



- Supports Intel® vPro™ Technology (DQ170 only)
- Fanless design (DS67/68 series, XS series & DX 30 only)
- 24/7 certified in up to 0-50°C Environments
- Multiple I/O for great connectivity
- Supports 4K ultra HD (DQ170,DH series & DS series only)
- Supports TPM data encryption (Skylake platform only)



Fanless models support to 0-40°C



Models		XH170V	XH110V/XH110	DQ170	DH170	DH110	DS68U	DS67U series
Cooling system		Smart fan	Smart fan	Smart fan	Smart fan	Smart fan	Fanless	Fanless
CPU		Intel® Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Skylake LGA1151 socket Core i3/i5/i7, Pentium Celeron 65W processor	Intel® Skylake LGA1151 socket Core i3/i5/i7, Pentium Celeron 65W processor	Intel® Skylake LGA1151 socket Core i3/i5/i7, Pentium Celeron 65W processor	Intel® Celeron 3855U	Intel® Celeron 3855U or Intel® i3-6100U/i5-6200U/i7-6500U
Chipset		Intel® H170	Intel® H110	Intel® Q170 support vPro™	Intel® H170	Intel® H110	Integrated in CPU	Integrated in CPU
Video Engine Processor		Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)
Video Capability(Full HD or 4K)		4K	4K	4K	4K	4K	4K	4K
Memory		2 X DDR3L 1600 MHz, Max. 32GB	2 X DDR3L 1600 MHz, Max. 32GB	2 X DDR3L 1600 MHz, Max. 32GB	2 X DDR3L 1600 MHz, Max. 32GB	2 X DDR3L 1600 MHz, Max. 32GB	2 X DDR3L 1600 MHz, Max. 32GB	2 X DDR3L 1600 MHz, Max. 32GB
Storage Interface		SATA6G	SATA6G	SATA6G / SD card reader	SATA6G / SD card reader	SATA6G / SD card reader	SATA6G / SD card reader	SATA6G / SD card reader
Storage Bay		1 X 2.5" HDD or SSD 1 X 12.7mm Slim ODD	1 X 2.5" HDD or SSD 1 X 12.7mm Slim ODD	1 X 2.5" HDD or SSD	1 X 2.5" HDD or SSD	1 X 2.5" HDD or SSD	1 X 2.5" HDD or SSD	1 X 2.5" HDD or SSD
Expansion Slot	Mini-PCIe/M.2	(1) M.2 Type M(2280) (1) Half size Mini-PCIe	(1) M.2 Type M (2280) (1) M.2 Type A/E (2230)	(1) M.2 Type M(2260) (1) Half size Mini-PCIe	(1) M.2 Type M(2260) (1) Half size Mini-PCIe	(1) M.2 Type M (2260) (1) M.2 Type A/E (2230)	(1) M.2 Type M (2280) (1) M.2 Type A/E (2230)	(1) M.2 Type M (2242) (1) M.2 Type A/E (2230)
	VGA Port	-	1 (optional)	1 (optional)	1 (optional)	1 (optional)	1	-
Video output	HDMI Port	1	1	1	1	1	1	1
	DisplayPort	2	1	2	2	1	-	1
	USB 2.0	4	4	4	4	2	4	4
I/O Port	USB 3.0	4	4	4	4	4	2	2
	eSATA Port	1	-	-	-	-	-	-
	COM Port	(1) RS232	(1) RS232 ,(1) RS232/422/485 Support 5V/12V	(1) RS232 ,(1) RS232/422/485 Support 5V/12V	(1) RS232 ,(1) RS232/422/485 Support 5V/12V	(1) RS232 ,(1) RS232/422/485 Support 5V/12V	(1) RS232 ,(1) RS232/422/485 Support 5V/12V	(1) RS232 ,(1) RS232/422/485 Support 5V/12V
	PS/2 Port	-	1	-	-	1	-	-
	Line in/Line out/Mic in	1/1/1	1/1/1	-/1/1	-/1/1	-/1/1	-/1/1	-/1/1
	Ethernet/WiFi	Intel® 10/100/1000 Mbps Ethernet Mini-PCIe WiFi module (optional)	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) M.2 WiFi module (optional)	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) Mini-PCIe WiFi module (optional)	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) Mini-PCIe WiFi module (optional)	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) Mini-PCIe WiFi module (optional)	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) M.2 WiFi module (optional)	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) M.2 802.11 b/g/n WiFi module
Kensington Lock Hole		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mounting Support		Yes (optional)	Yes (optional)	Yes	Yes	Yes	Yes	Yes
Dimensions(L/W/H) mm		240 x 200 x 72	240 x 200 x 72	190 x 165 x 43	190 x 165 x 43	190 x 165 x 43	200 x 165 x 39.5	200 x 165 x 39.5
Weight	NW (kg)	2.2	2.2	1.3	1.3	1.3	1.4	1.3
	GW (kg)	3.5	3.5	2.05	2.05	2.05	2.1	2.05
Certification		CB,CE,BSMI,ETL,FCC,RCM,VCCI,RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS	CB,CE,BSMI,ETL,CCC,FCC,RCM,RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS,R& TTE,VCCI	CB,CE,BSMI,ETL,FCC,RCM,RoHS,R& TTE
Operating Temperature (°C)		0~50	0~50	0~50	0~50	0~50	0~40	0~40
Chassis		Metal	Metal	Metal	Metal	Metal	Metal + Plastic	Metal + Plastic
Adapter		90W external adapter	90W external adapter	90W external adapter	90W external adapter	90W external adapter	65W external adapter	65W external adapter
Operating System		Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux
Accessories(Optional)		PS01, PV02, PHD4, WLN-P	PS01, PV02, PHD4,WLN-M	WLN-P, PVG01	WLN-P, PVG01	WLN-M, PVG01	-	-



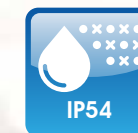
Models	XS36V5	XS35V5/ XS35V5 Pro	DX30	
Cooling system	Fanless	Fanless	Fanless	
CPU	Intel® Celeron N3050	Intel® Celeron N3050	Intel® Apollo Lake CPU	
Chipset	Integrated in CPU	Integrated in CPU	Integrated in CPU	
Video Engine Processor	Intel® HD Graphics engine integrated in CPU	Intel® HD Graphics engine integrated in CPU	Intel® HD Graphics engine integrated in CPU	
Video Capability(Full HD or 4K)	Full HD	Full HD	Full HD, 4K Resolution	
Memory	1 X DDR3L 1600 MHz, Max. 8GB	1 X DDR3L 1600 MHz, Max. 8GB	2 X DDR3L 1600 MHz, Max. 8GB	
Storage Interface	SATA6G / SD card reader	SATA6G / SD card reader	SATA6G / SD card reader	
Storage Bay	1 X 2.5" HDD or SSD	1 X 2.5" HDD or SSD 1 X 12.7mm Slim ODD	1 X 2.5" HDD or SSD	
Expansion Slot	Mini-PCIe/M.2	(1) Half size Mini-PCIe	(1) M.2 Type M (2280) (1) M.2 Type A/E (2230)	
Video output	VGA Port	1	1 (optional)	
	HDMI Port	1	1	
	DisplayPort	1	1	
I/O Port	USB 2.0	3	4	
	USB 3.0	2	2	
	eSATA Port	-	-	
	COM Port	(1) RS232 ,(1) RS232/422/485 Support 5V/12V	-	(1) RS232 ,(1) RS232/422/485 Support 5V/12V
	PS/2 Port	-	-	1
Line in/Line out/Mic in	-/1/1	-/1/1	-/1/1	
Ethernet/WiFi	Intel®10/100/1000 Mbps Ethernet Mini-PCIe 802/11 b/g/n WiFi module	Intel®10/100/1000 Mbps Ethernet Mini-PCIe 802/11 b/g/n WiFi module	Intel®10/100/1000 Mbps Ethernet M.2 802/11 b/g/n WiFi module	
Kensington Lock Hole	Yes	Yes	Yes	
Mounting Support	Yes	Yes	Yes	
Dimensions(L/W/H) mm	200 x 160 x 36	252 x 162 x 38.5	190 x 165 x 43	
Weight	NW (kg)	1.6	2.1	
	GW (kg)	2.3	2.8	
Certification	CB,CE,BSMI,ETL,FCC,RCM,RoHS,R& TTE	CB,CE,BSMI,ETL,FCC,RCM,RoHS,R& TTE	CB,CE,BSMI,ETL,FCC,RCM,RoHS,R& TTE,VCCI	
Operating Temperature (°C)	0~40	0~40	0~40	
Chassis	Plastic	Aluminum/Plastic + Plastic only (optional)	Metal	
Adapter	40W external adapter	40W external adapter	40W external adapter	
Operating System	Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 10 64bit Linux	
Accessories(Optional)	PV03	PV01, PHD2	PVG01	

# AIO: All-in-One Touchscreen PCs for Business Solutions-X50 series & X90

The 15.6" X50 series and 19.5" X90 All-in-One series are made to drive interactive KIOSK, POS, POI, and queuing systems. The HDMI and VGA outputs enable dual-monitoring and the built-in webcam can be used for multi-media or online conferencing. Together with a full I/O connectivity and VESA mount compatibility, Shuttle's stylishly thin AIO series is ready for a variety of professional applications. For continuous use over long-periods of time, the series is 24/7 certified and runs cool with advanced heat pipe technology.



- Interactive Capacitive Touch Display (X90 only)
- Fanless
- IP54 Design
- 24/7 Certified
- Connect with peripheral devices



# AIO

# High-performance mini-servers expanded storage & high-end graphics card-XPC cube series



Models	X50V4	X50V5	X90
Panel	15.6", Single touch	15.6", Single touch	19.5", Multi touch
CPU	Intel® Celeron 2957U	Intel® Skylake U Celeron 3855U	Intel® Skylake U Celeron 3855U
Chipset	Integrated in CPU	Integrated in CPU	Integrated in CPU
Video Engine Processor	Intel® HD Graphics engine	Intel® HD Graphics engine	Intel® HD Graphics engine
Memory	1 X DDR3L 1333 MHz, Max 8GB	1 X DDR3L 1333 MHz, Max 16GB	1 X DDR3L 1333 MHz, Max 16GB
Storage	SATA6G / SD card reader	SATA 6G / SD card reader	SATA 6G / SD card reader
Expansion Slot	Mini-PCI / M.2 (1) Half size Mini-PCIe (1) Full size Mini-PCIe	(1) M.2 2280 type M (1) M.2 2230 type A,E	(1) M.2 2280 type M (1) M.2 2230 type A,E
Video output	VGA Port	1	1
	HDMI Port	1	1
I/O Port	COM Port	optional	optional
	USB2.0	4	4
	USB 3.0	2	2
	Audio	HD 2 channel, 2X 2W internal speaker	HD 2 channel, 2X 2W internal speaker
Ethernet/WiFi	10/100/1000 Mbps Ethernet 802.11 b/g/n WLAN	Intel® 10/100/1000 Mbps Ethernet 802.11 /b/g/n/ac+BT WLAN	Intel® 10/100/1000 Mbps Ethernet 802.11 /b/g/n WLAN
Webcam	Yes	Yes	Yes
Microphone	Yes	Yes	Yes
Dimensions(L/W/H) mm	391.3x327x42	391.3x327x42	488x320x45
Weight	NW (kg)	2.92	2.92
	GW (kg)	4.2	4.2
Certification	CB,CE,BSMI,ETL,CCC,FCC, RCM,RoHS,R&TTE	CB,CE,BSMI,R&TTE,ETL,FCC, RCM,RoHS	CB,CE,BSMI,ETL,CCC,FCC, RCM,RoHS,R&TTE,VCCI
Operating Temperature (°C)	0~40	0~40	0~40
Adapter	65W external adapter	65W external adapter	65W external adapter
Operating System	Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux
Color	Black/White	Black/White	Black
Accessories(Optional)	PCL71 / POS01	PCL71 / POS01	PCL71 / POS01

Shuttle's industry renowned XPC cube series is only 1/3 size of a traditional tower PC but delivers the same performance with high durability and strong expandability.

The latest R8 series can accept up to four 3.5" HDD and is able to support Intel® Rapid Storage Technology (Intel® RST), providing a variety of RAID mode selection. The XPC cube series is equipped with Shuttle's I.C.E.2™ heat pipe cooling technology and smart fan design to efficiently remove heat. The series supports the latest generation of Intel® processors and provides a robust I/O interface in addition to PCI-Ex16, PCI-E x1/x4, M.2, or Mini PCIe (half-size) slots and support for Intel® RST technology (except for SH110R4). It features impressive performance to support diverse commercial applications, including multi-display digital signage, video wall, and mini server.



- Integrated Cooling Engine 2 (I.C.E. 2) Heat pipe Technology
- Supports multiple PCIe card applications
- Supports multiple RAID modes (except for SH110R4)
- Install up to four 3.5" HDDs (SZ170R8 series only)
- Supports large graphics cards (SZ170R8 series only)
- 80 Plus silver certified Power supply (SZ170R8 series only)







Models	SZ170R8 V2	SZ170R8	SH170R6	SH110R4	
CPU	Intel® Skylake-S Core™ i3/i5/i7, Pentium®, Celeron® LGA 1151 CPU	Intel® Skylake-S Core™ i3/i5/i7 Pentium®, Celeron® LGA 1151 CPU	Intel® Skylake-S Core™ i3/i5/i7 Pentium®, Celeron® LGA 1151 CPU	Intel® Skylake-S Core™ i3/i5/i7 Pentium®, Celeron® LGA 1151 CPU	
Chipset	Intel® Z170	Intel® Z170	Intel® H170	Intel® H110	
Video Engine Processor	Intel® HD Graphics integrated in CPU (Dynamic video memory)	Intel® HD Graphics integrated in CPU (Dynamic video memory)	Intel® HD Graphics integrated in CPU (Dynamic video memory)	Intel® HD Graphics integrated in CPU (Dynamic video memory)	
Memory	4 X DDR4 2133 MHz, Max. 64GB	4 X DDR4 2133 MHz, Max. 64GB	4 X DDR4 2133 MHz, Max. 64GB	2 X DDR4 2133 MHz, Max. 32GB	
Storage	SATA 6G	SATA 6G	SATA 6G	SATA6G	
Storage Bay	4 x 3.5" HDD	4 x 3.5" HDD	2x3.5" HDD/ 1x5.25" ODD bay	2x3.5" HDD/ 1x5.25" ODD bay	
Audio	HD 7.1 channel	HD 7.1 channel	HD 7.1 channel	HD 5.1 channel	
Ethernet	Intel® 10/100/1000 Mbps (RJ45 X2)	Intel® 10/100/1000 Mbps (RJ45 X1)	Intel® 10/100/1000 Mbps (RJ45 X1)	Intel® 10/100/1000 Mbps (RJ45 X1)	
Expansion Slot	PCI Express Slots	(1) PCI-E X16, (1) PCI-E X4	(1) PCI-E X16, (1) PCI-E X4	(1) PCI-E X16, (1) PCI-E X1	
	Mini-PCIe/ M.2	(1) M.2 2280 Type M (1) M.2 2230 Type A/E	(1) M.2 2280 Type M (1) Half size Mini PCIe	(1) M.2 2280 Type M (1) Half size Mini PCIe	(1) M.2 Type M (2280) (1) M.2 Type A/E (2230)
Video output	VGA Port	-	-	-	1
	HDMI Port	1	1	1	1
	DisplayPort	2	2	2	1
I/O Port	USB 2.0	-	-	2	4
	USB3.0	8	8	8	4
	eSATA	-	1	1	-
	PS/2	-	-	-	1
	Headphone/Mic in	1/1	1/1	1/1	1/1
Power Supply	500W 80 Plus Silver	500W 80 Plus Silver	300W 80 Plus Bronze	300W 80 Plus Bronze	
Dimensions(L/W/H) mm	332x216x198	332x216x198	332x216x198	325x215x198	
Weight	NW (kg)	3.5	3.5	3.5	3.5
	GW (kg)	5	5	5	5
Certification	CB,CE,BSMI,ETL,FCC,RCM,VCCI, RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS	
Operating Temperature (°C)	0~40	0~40	0~40	0~40	
Chassis	Aluminum	Aluminum	Aluminum	Aluminum	
Operating System	Windows 7 64bit / 8.1 64bit / 10 64bit, Linux	Windows 7 64bit / 8.1 64bit / 10 64bit, Linux	Windows 7 64bit / 8.1 64bit / 10 64bit, Linux	Windows 7 64bit / 8.1 64bit / 10 64bit, Linux	
Accessories(Optional)	WLN-M, PHD3, J-RS232	WLN-P, PHD3, J-RS232	WLN-P, PHD3, J-RS232	WLN-M, PHD3, J-RS232	

### XPC Accessory

**PHD3**

XPC-cube series  
3.5" to 2.5" HDD rack for XPC cube series

**J-RS232**

XPC-cube series  
RS232 daughter board for XPC cube series

### AIO Accessory

**PCL71**

X50V4 and X50V5  
COM/LPT daughter board for X50V4 and X50V5

**POS01**

X50V4 and X50V5  
COM/LPT/Cash drawer daughter board for X50V4 and X50V5

### Slim Accessory

**PV01**

XS35 series  
VESA mount accessory for all XS35 series models

**PHD2**

XS35 series  
Accessory for XS35 series to support a second hard disk drive

**PV03**

XS36 series  
VESA mount accessory for XS36 series

**PVG01**

DH170/DQ170/DH110/XH110V/XH81V/XH81V/DS81/DX30  
VGA port accessory for, DX30, XH81 series, DH110, DH170, DQ170 and DS81

**PS01**

XH170V/XH110 series/XH97V/XH81 series  
Vertical stand accessory for 3-liter Slim PCs

**PV02**

XH170V/XH110 series/XH97V/XH81 series  
VESA mount accessory for 3-liter Slim PCs

**PHD4**

XH170V/XH110 series/XH97V/XH81 series  
3.5" hard drive rack for 3-liter Slim PCs

**PCM3**

XH81  
Triple RS232 daughter board for XH81 only

### WLAN KIT

**WLN-P**

XPC-cube and slim series (Mini PCIe type)  
802.11ac/b/g/n WLAN + BT kit

**WLN-M**

XPC-cube and slim series (M.2 2230 type)  
802.11ac/b/g/n WLAN + BT kit

# NANO

A palm-sized,  
0.5-liter fashionable  
PC-XPC nano



Shuttle's brand new 0.5-liter XPC nano series has an elegant and stunning design to make it easy fit anywhere at home or office use. There are two NC series and NS series models. The NC series provides different CPU options: Intel® Celeron® and Core™ i3/i5/i7 as well as supporting DDR3L-1600 low-voltage memory. Both series feature diverse I/O ports for great connectivity. The NC01U series has a unique extension design to provide users a variety of choices by adding an accessory box. Whether for seamless desktop performance to run an efficient office or to play 4K video (except for NC01U and NS series) for multimedia, XPC nano is your perfect choice.



- Supports 4K ultra HD (except for NC01U and NS series)
- VESA mount ready
- Supports dual-screen displays (NC series only)
- High-speed storage interface (NC series only)
- Supports WiFi Direct (NS series only)
- Pre-install digital signage software (NS series only)





# Lighter, smaller but with full PC experience

## Different needs, different mix



Model	NC01U	NC01U3/U5/U7	NC02U	NC02U3/U5/U7	NS01A	NS02A
CPU	Celeron® 3205U	Core™ i3-5005U/ i5-5200U/i7-5500U	Celeron 3855U	Core™ i3-6100U/ i5-6200U/i7-6500U	Z3735G	Rockchip RK3368 Octal cores 1.5GHz
Chipset	Integrated in CPU				Integrated in CPU	NA
Video Engine Processor	Intel® HD Graphics	Intel® HD Graphics 5500	Intel® HD Graphics	Intel® HD Graphics 520	Intel® HD Graphics	NA
Video Capability	Full HD	4K		Full HD	Full HD	Full HD
Memory	2 x DDR3L 1600MHz, Max 16GB		2 x DDR3L 1600MHz, Max 32GB		1GB memory onboard	2GB memory onboard
Storage interface	SATA6G				16G eMMC onboard	16G eMMC onboard
Storage bay	1 x 2.5" HDD or SSD (7mm ultra slim) and 1 x M.2 SSD		1 x 2.5" HDD or SSD (15mm slim) and 1 x M.2 SSD		1 x 2.5" HDD or SSD (7mm ultra slim)	1 x 2.5" HDD or SSD (7mm ultra slim)
Expansion slot	M.2 2230 AE and M.2 2242 M key		M.2 2230 AE and M.2 2280 M key		NA	NA
Video output	HDMI *1 and mini DisplayPort*1		HDMI *1 and DisplayPort*1		HDMI*1	HDMI*1
I/O Port	2 x USB3.0 ports (front) w/2A charging power button		2 x USB3.0 ports (front), power button		2 x USB 2.0(front)	2 x USB 2.0(front)
	2 x USB2.0 ports (back)				1 x USB 2.0(back)	1 x USB 2.0(back)
	SD card reader				SD card reader	SD card reader
	Combo jack 3.5mm for headphone + mic *1				Combo jack 3.5mm for headphone + mic*1	3.5mm for line out
	1 X RS232				NA	NA
Ethernet	Intel® 10/100/1000 Mbps Ethernet				10/100 Mbps Ethernet	10/100/1000 Mbps (support PoE 802.3at)
	M.2 802.11 b/g/n/ac and Bluetooth combo		M.2 802.11 b/g/n		802.11 b/g/n WiFi and Bluetooth	802.11 b/g/n WiFi and Bluetooth 4.0
Wireless LAN						
Kensington Lock	Yes		Yes		Yes	Yes
Stand	Yes		Yes		Yes	Yes
VESA Mount	Yes		Yes		Yes	Yes
Dimension L x W x H (mm)	141x141x29 (0.57L)		141x141x42		141x141x29 (0.57L)	141x141x29 (0.57L)
Weight	NW (kg)		0.36		0.4	TBD
	GW (kg)		1.26		1.2	TBD
Certification	CB, CE, BSMI, ETL, FCC, RCM RoHS,R&TTE		CB, CE, BSMI, ETL, FCC, RCM, VCCI RoHS,R&TTE		CB, CE, BSMI, ETL FCC, RCM, RoHS	CB, CE, BSMI, ETL, FCC RCM, CCC, R&TTE
Chassis	Plastic				Plastic	Plastic
Adapter	65W external adapter				40W external adapter	24W external adapter
Operating system	Windows 7 32/64 bits, 8.1 32/64 bits 10 64 bits, Linux		Windows 7 64 bits, 8.1 64 bits 10 64 bits, Linux		Android 4.4	Android 5.1

Optional three accessory expansion boxes — (NC01U series only)  
NC01U series will support below expansion box for diverse applications



### XVB01

#### Discrete VGA Box

- AMD Radeon R7 M370 GPU
- Memory capacity of 2GB
- Support 4K/Ultra HD video playback
- 90W external adapter
- HTPC or gaming

### XCB01

#### Additional COM port and storage

- (3) RS232+ (2) USB 2.0
- (1) 2.5" HDD/SSD (NC01U5/U7only)
- Digital signage, Kiosk or POS

### XLB01

#### Additional LAN and storage

- (1)RJ45 LAN+ (2)USB2.0
- (1)2.5" HDD/SSD (NC01U5/U7only)
- Office or Mini serve

# Solutions

## Find the business solutions you're looking for with Shuttle

Shuttle's mini PC, Slim PC, and All-in-One hardware solutions are designed for diverse commercial applications, including Digital Signage, Kiosks, Menu Boards, Video Walls, and POS systems. Whether your business is retail, hospitality, banking, corporate office, transportation, healthcare, security, or education, Shuttle has the right solution to help your business succeed.



Digital signage is becoming an increasingly valuable advertising tool in almost every industry. As a leader in small form factor computers, touch panel all-in-ones, and small footprint computers, we offer the perfect solution for any digital signage application. Look for us in menu boards, at retail locations, airports, universities, hospitals, K12, and everywhere you see a digital sign.



Our computers are small, so small that you often won't even see them! We provide the behind-the-scenes computers that drive a host of kiosk and touch-screen wayfinding applications. The next time you approach a sign in a hospital, airport, university, or corporate office, Shuttle is there.



Connecting a Shuttle mini-computer to a retail or POS station is quick and easy—even with an older system. Our connectivity options, including RS232 legacy ports, mean any POS station will be up and running in no time. Enjoy real-time register reporting so managers will know what's happening every minute of every day.



Created with the latest energy-saving technology and intelligent cooling systems, Shuttle pre-configured computers are about one third smaller than other desktop PCs. They fit just about anywhere, so you gain the power to do more, with the flexibility to better arrange your work space as well.



Captivate your target audience with large scale video walls with Shuttle's high-performance XPC cube series, built to drive multi-display digital signage applications.

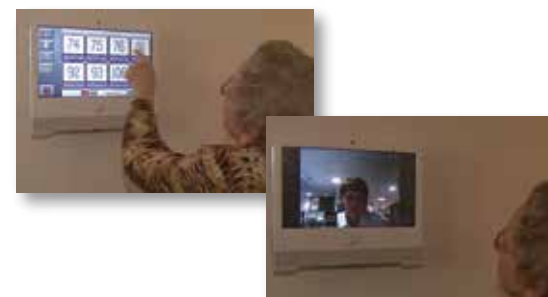


Shuttle computers are in hospitals, factories, schools, restaurants, call centers, supermarkets, department stores, airports, universities, auditoriums, cafeterias, and everywhere else you might find a computer. We work with you to create your behind-the-scenes products, while you get the glory.

# Case Studies

## Medical and Assisted Living

AIO applied in nursing homes to support communications systems and increase patient health and safety.



## Digital Signage

### Retail:

Display rich interactive media content to engage customers and drive sales. Decrease perceived wait time and improve customer experience.



### Bank:

Provide instant financial information relating to the stock market, global exchange rates, and internal bank programs.



## Point-Of-Sale

A cost effective POS system designed to handle the various daily operations throughout hospitality and retail markets.



### Hotel:

Manage and communicate information about customer service, hotel events, and room rates from a central location.



### Public Transportation:

Display important flight information, power multi-touch way finding kiosks, or generate revenue from ad space.



## Contact Us

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