

Turnkey Signage Solutions

Empowering Connected Signage Applications

- ✓ Turnkey Solutions
- ✓ Full Range Offering
- ✓ Signage Software
- ✓ Case Studies
- ✓ Product Selection

ON/OFF
Remote Management

Content Editor

Signage Manager

Redmond Weather

Today's special from am3:00 - pm2:00, lounge bar, Supermarket, restaurants, etc.

Item	Price	Quantity	Total
Item 1	\$100.00	1	\$100.00
Item 2	\$200.00	1	\$200.00
Item 3	\$300.00	1	\$300.00
Item 4	\$400.00	1	\$400.00
Item 5	\$500.00	1	\$500.00
Item 6	\$600.00	1	\$600.00
Item 7	\$700.00	1	\$700.00
Item 8	\$800.00	1	\$800.00
Item 9	\$900.00	1	\$900.00
Item 10	\$1000.00	1	\$1000.00

Today's special from am3:00 - pm2:00, lounge bar, Supermarket, restaurants, etc.

Today's weather is nice. Almost full & strong sunscreen for outdoor activities, etc.

of departure, please

SUSIAccess
Enabling Intelligent & Embedded Systems

ANT

DisplayPort 1 DisplayPort 2 DisplayPort 3 DisplayPort 4

50-3 19V

50-4

ADVANTECH

Enabling an Intelligent Planet

www.advantech.com

Product Selection

Digital Signage Players



Model Name		ARK-DS262	ARK-DS306	DS-570	ARK-DS762	DS-862
Processor System	CPU	Intel Core i7-3555LE/ Intel Core i3-3217UE/ Intel Celeron 1020E	AMD G-Series T40N	Intel Celeron N2930	Intel Core i7-3610QE/ Intel Core i5-3610ME/ Intel Core i3-3120ME/ Intel Celeron 1020E (Socket rPGA 988B)	Intel Core i7-3555LE/ Intel Core i3-3217UE/ Intel Celeron 1020E
	BIOS	AMI uEFI 64 Mbit	AMI uEFI 16 Mbit	AMI uEFI 64 Mbit	AMI uEFI 64 Mbit	AMI uEFI 64 Mbit
	Chipset	Intel QM77	AMD A50M FCH	CPU Integrated	Intel QM77	Intel QM77
Memory	Technology	DDR3-1066/1333/1600MHz	DDR3 800MHz	DDR3L 1333MHz	DDR3-1066/1333/1600MHz	DDR3-1066/1333/1600MHz
	Max. Capacity	16 GB (8GB per SODIMM)	4 GB	8 GB (4GB per SODIMM)	16 GB (8GB per SODIMM)	16 GB (8GB per SODIMM)
	Socket	2 x 204-pin SODIMM	1 x 204-pin SODIMM	2 x 204-pin SODIMM	2 x 204-pin SODIMM	2 x 204-pin SODIMM
Display	Controller	CPU Integrated	CPU Integrated	nVidia N14M-GS	CPU Integrated	AMD Radeon E6460
	Graphic Engine	Intel Integrated HD 4000	AMD Radeon HD 6290	-	Intel Integrated HD 4000	-
	Video Format	Full AVC, VC1, MPEG2 H/W decoder	H.264, VC1, MPEG2, DivX version 3.11 and later, MPEG4 Part 2 SP & ASP	H.264, VC1, MPEG2 1080p video decoder	Full AVC, VC1, MPEG2 H/W decoder	H.264, VC1, MPEG2 1080p video decoder
	Graphic Memory	1 GB	Shared system memory	1 GB (On board memory)	1 GB	512 MB
	Multiple Display	Dual	Dual	Four	Triple	Four
	Interface	JAETX25 80-pin x 1, HDMI x 1	HDMI x 1, VGA x 1	HDMI x 2, DP++ x 1, VGA x 1	HDMI x 3	DP x 4
Expansion	Mini PCIe	1	1	2	1	1
Ethernet	Speed	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
	Connector	RJ-45 x 1	RJ-45 x 2	RJ-45 x 2	RJ-45 x 1	RJ-45 x 1
Audio	Audio Interface	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio
	Connector	1 (Line-out), supports Jack Sense	3 (Line-in, Line-out, Mic-in)	1 (SPDIF/Line-out), supports Jack Sense	1 (Line-out) supports Jack Sense	1 (Line-out) supports Jack Sense
WatchDog Timer		Yes	Yes	Yes	Yes	Yes
Storage	SATA	1 x 2.5-inch SATA III HDD	1 x 2.5-inch SATA II HDD	1 x 2.5-inch SATA II HDD	1 x 2.5-inch SATA II HDD	1 x 2.5-inch SATA III HDD
	mSATA	-	-	Yes	Yes	-
	CFast	-	1	-	1	-
I/O	USB3.0	2	-	1	1	4
	USB2.0	-	2	3	2	-
	COM Port	1 (RS-232)	2 (RS-232)	2 (RS-232)	1 (RS-232)	1 (RS-232)
	Power Button	1	1	1	1	1
	Smart Fan	Yes	-	-	Yes	Yes
	Power Type	ATX	ATX, AT	ATX, AT	ATX, AT	ATX
Power (w/o expansion)	Power Consumption	15.25W(Idle) / 28.61W(Full Load)	9W(Idle) / 13W(Full Load)	10.5W(Idle) / 15.7W(Full Load)	17.4W(Idle) / 43.8W(Full Load) * with Core i7-3610QE CPU	10W(Idle) / 37W(Full Load)
	Power Adaptor	-	Input 90-264 V _{ac} , Output 12 V _{dc} , 36W	Input 100-240 V _{ac} , Output 19 V _{dc} , 65W	Input 100-240 V _{ac} , Output 19 V _{dc} , 90W	Input 100-240 V _{ac} , Output 19 V _{dc} , 65W
Environment	Operational Temperature	0 ~ 40° C (32 ~ 104° F) (w/ HDD)	0 ~ 40° C (32 ~ 104° F) (w/ HDD)	0 ~ 40° C (32 ~ 104° F) (w/ HDD)	0 ~ 40° C (32 ~ 104° F) (w/ HDD)	0 ~ 40° C (32 ~ 104° F) (w/ HDD)
	Operational Humidity	40° C @ 95% RH Non-Condensing	40° C @ 95% RH Non-Condensing	40° C @ 95% RH Non-Condensing	40° C @ 95% RH Non-Condensing	40° C @ 95% RH Non-Condensing
Physical characteristics	Dimensions (L x W x H)	200 x 119 x 30 mm	204 x 118.2 x 44.2 mm	220 x 150 x 44.2 mm	249.6 x 190 x 35 mm	249.6 x 190 x 35 mm
	Weight	1.5 kg (3.3 lb)	1.1 kg (2.42 lb)	1.7 kg (3.74 lb)	2.0 kg (4.41 lb)	2.0 kg (4.41 lb)
	Mounting	-	VESA/ Desk/ Wall/ Din Rail	VESA/ Desk/ Wall/ Din Rail	VESA/ Desk/ Wall/ Din Rail	VESA/ Desk/ Wall/ Din Rail
Operating System	Microsoft Windows	Yes	Yes	Yes	Yes	Yes
	Linux	Yes, Fedora 14	Yes, Fedora 14	TBD	Yes, Fedora 14	Yes, Fedora 14
APIs	SUSIAccess	Yes, McAfee, Acronis	Yes, McAfee, Acronis	Yes, McAfee, Acronis	Yes, McAfee, Acronis	Yes, McAfee, Acronis
	iManager	Yes	Yes	Yes	Yes	Yes
Certifications	EMC	CE, FCC Class B, CCC, C-Tick, BSMI	CE, FCC Class A, CCC, BSMI	CE, FCC Class B, CCC, BSMI	CE, FCC Class B, CCC, BSMI	CE, FCC Class B, CCC, BSMI
	Safety	UL, CCC	UL, CCC, BSMI	UL, CCC, BSMI	UL, CCC, BSMI	UL, CCC, BSMI



Content Editor	Layout	Easy operation by drag and drop	Preview	Yes
	Media	Video, flash, picture, PDF, marquee, text box, music, web	Video Wall	2x2, 1x3, 1x4
Signage Manager	Remote Control	Display on/off, volume control, time sync	Group Management	Content dispatch
	Signage Status	Playing content information	Emergency Message	Yes
Remote Management	Remote Monitoring	CPU/system temperature, fan speed, HDD states, voltage status	System Protection	McAfee white list protection
	Remote On/Off	Remote On/Off and KVM	System Recovery	Acronis backup and recovery solution

Product Selection

Digital Signage Players



Model Name		DS-060	DS-061	DS-062	DS-063	DS-065
Processor System	CPU	Intel Core i7-3615QE	Intel Core i7-3517UE/ Intel Core i3-3217UE	Intel Celeron 1020E/ Intel Celeron B810E	Intel Atom D2550	Intel Atom N2600
	BIOS	AMI uEFI 64 Mbit	AMI uEFI 64 Mbit	AMI uEFI 64 Mbit	AMI uEFI 16 Mbit	AMI uEFI 16 Mbit
	Chipset	Intel QM77	Intel QM77	Intel QM77	Intel NM10	Intel NM10
Memory	Technology	DDR3 1333/1600MHz	DDR3 1333/1600MHz	DDR3 1333/1600MHz (1020E) DDR3 1066/1333MHz (B810E)	DDR3 800/1066 MHz	DDR3 800/1066 MHz
	Max. Capacity	8 GB	8 GB	8 GB	4 GB	2 GB
	Socket	1 x 204-pin SODIMM	1 x 204-pin SODIMM	1 x 204-pin SODIMM	1 x 204-pin SODIMM	1 x 204-pin SODIMM
Display	Controller	CPU Integrated	CPU Integrated	CPU Integrated	CPU Integrated	CPU Integrated
	Graphic Engine	Intel Integrated HD 4000	Intel Integrated HD 4000	Intel HD Graphics	Intel GMA 3650	Intel GMA 3650
	Video Format	Full AVC, VC1, MPEG2 H/W decoder	Full AVC, VC1, MPEG2 H/W decoder	Full AVC, VC1, MPEG2 H/W decoder	Blu-ray, MPEG2, MPEG4, H.264, VC1, DivX v3.11	Blu-ray, MPEG2, MPEG4, H.264, VC1, DivX v3.11
	Graphic Memory	Shared with system memory up to 1 GB	Shared with system memory up to 1 GB	Shared with system memory up to 1 GB	Shared with system memory up to 512 MB	Shared with system memory up to 512 MB
	Multiple Display	Dual	Dual	Dual	Dual	Dual
	Interface	DisplayPort x 1, VGA x 1	DisplayPort x 1, VGA x 1	DisplayPort x 1, VGA x 1	HDMI x 1, VGA x 1	HDMI x 1, VGA x 1
Expansion Interface	Mini PCIe	1	1	1	1	1
Ethernet	Speed	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
	Connector	RJ-45 x 1	RJ-45 x 1	RJ-45 x 1	RJ-45 x 1	RJ-45 x 1
Audio	Audio Interface	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio
	Connector	2 (Line-out, Mic-in)	2 (Line-out, Mic-in)	2 (Line-out, Mic-in)	2 (Line-out, Mic-in)	2 (Line-out, Mic-in)
WatchDog Timer		Yes	Yes	Yes	Yes	Yes
Storage	SATA	1 x 2.5-inch SATA II HDD	1 x 2.5-inch SATA II HDD	1 x 2.5-inch SATA II HDD	1 x 2.5-inch SATA II HDD	1 x 2.5-inch SATA II HDD
	mSATA	Yes	Yes	Yes	Yes	Yes
	CFast	-	-	-	-	-
I/O	USB3.0	2	2	2	-	-
	USB2.0	2	2	2	4	4
	COM Port	1 (RS-232)	1 (RS-232)	1 (RS-232)	1 (RS-232)	1 (RS-232)
	Power Button	1	1	1	1	1
	Smart Fan	Yes	Yes	Yes	-	-
Power (w/o expansion)	Power Type	ATX, AT	ATX, AT	ATX, AT	ATX, AT	ATX, AT
	Power Consumption	8.1W (Idle) / 26.0W (Full Load)	6.6W (Idle) / 22.4W (Full Load)	10.0W (Idle) / 19.9W (Full Load)	11.3W (Idle) / 16.5W (Full Load)	8.3W (Idle) / 11.3W (Full Load)
	Power Adaptor	Input 100-240Vac, Output 19Voc, 65W	Input 100-240Vac, Output 19Voc, 65W	Input 100-240Vac, Output 19Voc, 65W	Input 100-240Vac, Output 19Voc, 65W	Input 100-240Vac, Output 19Voc, 65W
Environment	Operational Temperature	0 ~ 40° C (32 ~ 104° F) (w / HDD)	0 ~ 40° C (32 ~ 104° F) (w / HDD)	0 ~ 40° C (32 ~ 104° F) (w / HDD)	0 ~ 40° C (32 ~ 104° F) (w / HDD)	0 ~ 40° C (32 ~ 104° F) (w / HDD)
	Operational Humidity	40° C @ 95% RH Non-Condensing	40° C @ 95% RH Non-Condensing	40° C @ 95% RH Non-Condensing	40° C @ 95% RH Non-Condensing	40° C @ 95% RH Non-Condensing
Physical characteristics	Dimensions (L x W x H)	180 x 190 x 19 mm	180 x 190 x 19 mm	180 x 190 x 19 mm	180 x 190 x 19 mm	180 x 190 x 19 mm
	Weight	0.87 kg (1.92 lb)	0.87 kg (1.92 lb)	0.87 kg (1.92 lb)	0.87 kg (1.92 lb)	0.87 kg (1.92 lb)
	Mounting	VESA/ Desk/ Wall/ Din Rail	VESA/ Desk/ Wall/ Din Rail	VESA/ Desk/ Wall/ Din Rail	VESA/ Desk/ Wall/ Din Rail	VESA/ Desk/ Wall/ Din Rail
Operating System	Microsoft Windows	Yes	Yes	Yes	Yes	Yes
	Linux	Yes, Fedora 14	Yes, Fedora 14	Yes, Fedora 14	Yes, Fedora 16	Yes, Fedora 16
APIs	SUSIAccess	Yes, McAfee, Acronis	Yes, McAfee, Acronis	Yes, McAfee, Acronis	Yes, McAfee, Acronis	Yes, McAfee, Acronis
	iManager	Yes	Yes	Yes	Yes	Yes
Certifications	EMC	CE, FCC Class B, CCC, BSMI	CE, FCC Class B, CCC, BSMI	CE, FCC Class B, CCC, BSMI	CE, FCC Class B, CCC, BSMI	CE, FCC Class B, CCC, BSMI
	Safety	UL, CCC, BSMI	UL, CCC, BSMI	UL, CCC, BSMI	UL, CCC, BSMI	UL, CCC, BSMI

WiFi Module Package

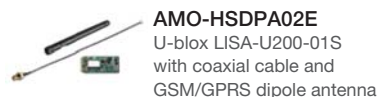


AMO-WIFI06E
Realtek RTL8188EE
with coaxial cable
and 2.4Ghz antenna



AMO-WIFI07E
Atheros AR9462 with
coaxial cable and
2.4Ghz/ 5Ghz antenna

3G Module Package



AMO-HSDPA02E
U-blox LISA-U200-01S
with coaxial cable and
GSM/GPRS dipole antenna

SSD Module Package



AMO-SS01E
64G S-SQFlash SSD
and SUSIAccess for
Signage software

Digital Signage Displays



DSD-3000 Series

Large Format Signage Displays

- 32", 42", 55" size options
- Ultra thin bezel design
- VGA/HDMI/DisplayPort interface
- Optical touch screen solution



DSD-5000 Series

Stretched Signage Displays

- 28", 38" size options
- High brightness
- Ultra wide ratio
- DVI/VGA interface

Empowering Connected Signage Solutions

Digital Out Of Home (DOOH) advertising is widely deployed in a range of fields such as retail, public transportation, education and hospitality, and has become an important part of the marketing landscape. Implementing and planning sophisticated digital signage networks can be challenging, so Advantech has developed ready-made HW/SW signage solutions to help ease of deployment. Our turnkey signage solutions have empowered thousands of digital signage applications across every market.

Advantech's turnkey signage solutions combine highly reliable platforms with application-ready software. All digital signage players come pre-loaded with an embedded OS, and at no extra cost, Acronis data protection, McAfee system security, and SUSIAccess for Signage software. Advantech helps customers reduce complexity and capitalize on digital signage networks which means faster time-to-market and lower total cost of ownership.













Solutions Integrated with Eco-Partners

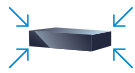
Advantech is building a digital signage alliance of strategic partners made up of leaders in each of their respective areas from network, software, display, content to installation, creating a winning combination you can rely on.

<p>Silicon</p>	<p>Display</p>
<p>Software</p>	
<p>Network</p>	

A Complete Product Range for Every Application

	Cost Effective	Open Pluggable Specification	Ultra Slim	High Performance	4K2K	Multi-Display
						
CPU	ARK-DS306 AMD® G-Series T40N	ARK-DS262 3 rd Gen. Intel® Core™ i7/i3/ Celeron®	DS-060 3 rd Gen. Intel® Core™ i7/i3/ Celeron®/Atom™	ARK-DS762 3 rd Gen. Intel® Core™ i7/i5/i3/ Celeron® (Socket rPGA 988B)	DS-570 Intel® Celeron® N2930 Quad-Core™	DS-862 3 rd Gen. Intel® Core™ i7
Supported File Format	JPEG H. 264 VC1 MPEG2 DivX 3.11 MPEG4 Part 2 SP MPEG4 ASP Flash	JPEG H. 264 VC1 WMV9 MPEG2 DivX 3.11 MPEG4 Part 2 SP MPEG4 ASP Flash	JPEG H. 264 VC1 WMV9 MPEG2 DivX 3.11 MPEG4 Part 2 SP MPEG4 ASP Flash	JPEG H. 264 VC1 WMV9 MPEG2 DivX 3.11 MPEG4 Part 2 SP MPEG4 ASP Flash	JPEG H. 264 VC1 WMV9 MPEG2 DivX 3.11 MPEG4 Part 2 SP MPEG4 ASP Flash	JPEG H. 264 VC1 WMV9 MPEG2 DivX 3.11 MPEG4 Part 2 SP MPEG4 ASP Flash
Max. Resolution	1920 x 1080 @ 60 Hz	1920 x 1080 @ 60 Hz	1920 x 1080 @ 60 Hz	1920 x 1080 @ 60 Hz	3840 x 2160 @ 30 Hz	3840 x 2160 @ 30 Hz
Display						
Fan/Fanless	Fanless	Fan	Fan / Fanless	Fan	Fanless	Fan

Advanced Designs



Compact Design

- Compact size for easy installation
- Supports optional DIN-Rail, VESA, and wall mounting



Variety of Communication

- Flexible expansion via MiniPCle Slot for WiFi, 3G, GPS



Rich Display Output

- Supports HDMI, DP, DVI, VGA
- UHD/FHD/HD resolution of diversified format content



Software Integrated

- Embedded OS compatibility
- Data protection and system security
- SUSIAccess for Signage

Value-Added Integration Services

Wireless Module

- Compatibility examination
- 3G/Wifi modules
- Supports Windows 7/8 and Linux



Storage Modules

- Compatibility examination
- High stability and reliability
- Compliant with SATA III and SATA 3.0 standard



Signage Displays

- 32", 42", 55" large format displays
- 28", 38" ultra wide displays
- HDMI/VGA/DVI/DisplayPort support



Remotely Manage Your Digital Signage Networks

SUSIAccess for Signage is a smart and sophisticated software designed for managing digital signage networks from content management, remote monitoring, system security to remote dispatch. Customers can remotely manage multiple signage devices from the client side through a single console. The software is built in all Advantech digital signage players providing customers with application-ready platforms.



Key Features

Content Editor



Layout Editing

- Easy drag and drop for multi-zone layout
- Multimedia: video, image, marquee, text, web, flash
- 2x2, 1x3, 1x4 video wall solutions

Playlist Editing

- Create playlists by uploading assets onto the timeline
- Preview the playback of your content template

Scheduling

- A calendar graphic view to schedule your playlist
- Regular schedule on daily basis
- Time correction in seconds



Signage Manager



Status Monitoring

- Real-time device status monitoring such as device name, volume, CPU loading, and playlist update status

Remote Control

- Capabilities: volume, display on/off, scheduled sync
- Real-time playlist syncing
- Create urgent messages for immediate playback

Remote Management



Remote Monitoring

- Real-time monitoring of device's status
- Automatic alarm notification via E-mail or SMS

Active Control


- Remote KVM for quick access to devices for diagnosis and troubleshooting

- Power on/off schedule setting for energy saving

System Security

- Whitelist protection 

System Recovery

- Timely backup and recovery 

Case Studies

Multi-display Video Wall Encourages Purchasing Decisions



Project

Video wall applications have become more and more popular due to their immense impact on viewers. Eye-catching video walls with engaging content can attract audiences and have a huge impact on consumers purchasing decisions becoming an essential marketing ingredient for the retail sector, especially in shopping malls. A System Integrator customer in Russia needed a powerful media player which could drive content for a screen matrix of 4 displays. They also needed robust management software which enabled multiple content to be displayed on the four screens or span the entire video wall display as required.

Requirements

- Powerful graphics engine supporting four displays
- Integrated with signage software
- Compact, low profile for easy installation
- Windows® 7 Professional

System Solution

Most video wall players consist of a motherboard with a graphic board to power the graphics, assembled in a rugged chassis. However customers often struggle with configuration and the high cost of integration of hardware and software. Advantech DS-862 Digital Signage Platform, combines a 3rd generation Intel® Core™ i7 CPU with discrete AMD Radeon™ E6460 GPU graphics to drive 4 screens via 4 DisplayPort and the most intricate content up to 3840 x 2160 @ 30hz per screen. As small a footprint as a notebook, DS-862 can be easily integrated and hidden behind the screen. The signage player includes a standard VESA mounting bracket with a wide variety of screw holes as a standard accessory, and which can be easily installed and removed for maintenance without disturbing the screens.

Moreover SUSIAccess for Signage, a robust content management software comes bundled with DS-862, simplifying multi-display deployment. With an intuitive user interface, users can edit multi-zone layouts in minutes just by drag and drop and send designated content to one or more target media players for displaying on single or multiple screens. Each display can be configured to have unique content, meanwhile flexible configurations such as 1 x 4, 4 x 1, and 2 x 2 content displays are supported. When any screen or media player fails or behaves abnormally, users can access, shut down and restart it by remote KVM function. Most problems can be resolved by remote control which can drastically reduce maintenance effort and time on site. DS-862 breaks down the barriers to video wall adoption by providing a highly reliable, high performance solution with built in signage software for simplified maintenance. More importantly, DS-862 provides a ready hardware and software solution package saving at least 20% on total cost of ownership.

Digital Signage Engages with Customers in Banks



Project

Digital signages are a common feature in bank branches nowadays, creating a more immersive customer experience and an effective communication channel. To engage and retain customers, many banks are utilizing digital signage in their traditional branches, showing relevant information about banking products, news and stock updates, entertainment, as well as real-time queuing information. As bank services become increasingly complex and diverse, it's important to be able to quickly update real-time information to all branches such as exchange rates and financial news. With digital signage installed, it's a simple task to change content from a central control server. Content can also be edited locally or from a central control server then dispatched to individual branches each day, which makes it easier on the bank rather than having employees at each branch change content themselves. Moreover, interior banking signage usually requires wall or ceiling mount installations, therefore a slim and light design signage player is preferable.

System Solution

Advantech DS-060 is powered by a 3rd generation Intel® Core™ i7 processor (up to 45 watts TDP), measuring a mere 19 mm thick. This thin and powerful unit is equipped with 1x digital, plus 1x analog display outputs, and simultaneous dual Full-HD 1080P capability delivers a premium visual experience when graphics performance really matters. To simplify installation, a VESA bracket is included as a standard accessory. As displays are also getting thinner, you can still easily mount a DS-060 series unit on the back of a display. Advantech DS-060 series lets you drive digital signage from just about anywhere, even limited spaces that previously would have been unthinkable.

DS-060 series is now bundled with SUSIAccess for Signage, which is a smart and sophisticated software designed for managing digital signage networks for content management and remote monitoring to remote publication. With SUSIAccess for Signage, content can be managed locally or dispatched from a central location on schedule. This makes it easier on the bank rather than having each individual branch change content themselves. With the support of HTML5, real-time information such as foreign exchange rate can be provided to customer once the bank webpage has been updated. Real-time device status monitoring ensures that the signage is being used effectively. McAfee protects unauthorized content from being displayed and Acronis provides timely backup and system recovery.

Requirements

- Powerful graphics engine supporting Full HD
- Integrated with signage software
- Slim and light design for space saving
- Windows® 7 Embedded