

Multi Screen Appliances

Power Multiple Screens for Digital Signage Arrays



The DT Research Multi Screen Appliances feature powerful and energy-efficient processors and multiple video connections for high resolution digital signage applications. Combined with the industry-leading WebDT Content Manager and Menu Board Editor software, these rugged, powerful appliances are capable of driving multimedia and database content to displays in digital menu board, video wall and ribbon, and other signage applications that require the dynamic display of high resolution graphics and video. DT Research Multi Screen Appliances are ideal for installations in demanding, high-profile environments such as restaurants, retail, concessions, sports and entertainment venues and transportation stations.

Features








- Drive 2 to 16 screens; Full-HD/1080P content supported on each screen
- Microsoft® Windows® operating system
- WebDT Content Manager and HTML5 Menu Board Editor software included
- Support for multiple zones of content on each screen
- Content file flexibility for multimedia file formats, live database and video feeds, tickers, and executable applications
- Content played in native format over multiple screens



Applications

- Restaurants
- Hospitality
- Retail
- Government
- Casino/ Entertainment
- Transportation
- Healthcare
- Finance

Specifications

							
Model	MA1352	MA1356	MA1363	MA1367	MS600H	MS1600S	MS2800S
System							
CPU	Intel® Celeron®, 4 cores	Intel® Celeron®, 4 cores	Intel® Core™ i7	Intel® Core™ i7	Intel® Core™ i7, 4 cores	Intel® Core™ i7, 6 cores	Intel® Core™ i7, 8 cores
RAM	4GB to 8GB	4GB to 8GB	4GB to 8GB	4GB to 8GB	8GB DDR3	8GB DDR4	8GB DDR4
Storage	64GB to 512GB	64GB to 512GB	64GB to 512GB	64GB to 512GB	500GB HDD or 120GB to 480GB SSD	120GB to 480GB SSD	120GB to 480GB SSD
Operating System	Microsoft® Windows® Embedded Standard 7				Microsoft® Windows® Embedded Standard 7		
Network Interface	10/ 100/ 1000MB BaseT LAN; Wi-Fi 802.11a/b/g/n (optional)				10/ 100/ 1000Mb BaseT LAN		
Max. Display Connection	2 screens	6 screens	3 screens	7 screens	6 screens	8 or 12 screens	16 screens
Display Resolution	1920 x 1080 @ 60Hz (x 2)	1920 x 1080 @ 60Hz (x 6)	3840 x 2160 @ 24Hz (x 2); 1920 x 1080 @ 60Hz (x 3)	3840 x 2160 @ 24Hz (x 2); 1920 x 1080 @ 60Hz (x 7)	1920 x 1080 @ 60Hz (x 6)	1920 x 1080 @ 60Hz (x 8 or 12)	1920 x 1080 @ 60Hz (x 16)
Video Performance ^①	1080P x 2 @12mbps/30fps	1080P x 2 @12mbps/30fps	1080P x 3 @12mbps/30fps; 2160P x 1 @30mbps/30fps	1080P x 3 @12mbps/30fps; 2160P x 1 @30mbps/30fps	1080P x 6 @12mbps/30fps; 2160P x 2 @60mbps/30fps	1080P x 8 or 12 @12mbps/30fps; 2160P x 3 @60mbps/30fps	1080P x 16 @12mbps/30fps; 2160P x 4 @60mbps/30fps
I/O Ports							
Video-out	2 HDMI (1.4)	6 HDMI (1.4)	3 HDMI (1.4)	7 HDMI (1.4)	1 HDMI, 1 DVI-I, 1 DisplayPort and 4 mini-DisplayPort (1.2) outputs ^{②③}	8 or 12 mini-DisplayPort (1.2) outputs ^②	16 mini-DisplayPort (1.2) outputs ^②
Audio Jack	3.5mm phone jack x 1	3.5mm phone jack x 1	3.5mm phone jack x 1	3.5mm phone jack x 1	3.5mm phone jack x 7/ Digital output x 1	3.5mm phone jack x 5/ Digital output x 1	3.5mm phone jack x 5/ Digital output x 1
USB Port	USB 2.0 X 1 USB 3.0 X 1	USB 2.0 X 1 USB 3.0 X 1	USB 2.0 X 2 USB 3.0 X 2	USB 2.0 X 2 USB 3.0 X 2	USB 2.0 X 6 USB 3.0 X 4	USB 2.0 X 6 USB 3.0 X 6	USB 2.0 X 2 USB 3.0 X 10
eSATA port	N/A	N/A	N/A	N/A	N/A	N/A	eSATA 6.0 Gb/s port x 2
Ethernet	RJ45 connector for Ethernet x 1	RJ45 connector for Ethernet x 1	RJ45 connector for Ethernet x 2	RJ45 connector for Ethernet x 2	RJ45 connector for Ethernet x 1	RJ45 connector for Ethernet x 1	RJ45 connector for Ethernet x 2
Mechanical and Environmental							
AC/DC Adapter/ Power Supply	Input: 100-240 V AC; Output: 19V DC		Input: 100-240 V AC; Output: 19V DC		300W ATX	650W ATX	1000W ATX
Enclosure	Aluminum + steel						
Dimensions (H x W x D)	2.16 x 5.82 x 6.5 in/ 55 x 148 x 165.1 mm		2 x 8.3 x 7.87 in/ 50 x 210 x 200 mm		3.75 x 13 x 15.5 in/ 95.3 x 330.2 x 393.7 mm	3.5 x 19 x 17 in/ 88.2 x 482.6 x 431 mm	7.9 x 16.9 x 21 in/ 176 x 430 x 546 mm
Weight	2.9 lbs/ 1316 g		5.51 lbs/ 2500 g		14.51 lbs/ 6.58 kg	22.16 lbs/ 10.05 kg	36.2 lbs/ 16.42 kg
Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C						
Humidity	0% – 90% non-condensing				5% – 95% non-condensing		
Major Option							
HDMI Video Capture Card	N/A	N/A	N/A	N/A	Video capture card with HDMI, component, composite and S-video inputs <i>*HDCP content (High-Bandwidth Digital Content Protection) not supported</i>		
1080P Video Capture Card	N/A	N/A	N/A	N/A	Video capture PCI-E card with HDMI 1080p, component, S-video and composite inputs <i>* HDCP content (High-Bandwidth Digital Content Protection) not supported</i>		
HD Video Capture USB Stick	Video capture USB dongle with S-video/ composite inputs <i>* HDCP content (High-Bandwidth Digital Content Protection) not supported</i>				N/A	N/A	N/A

* Specifications subject to change without notice.

** Case design may differ in different markets/countries.

① Please note that actual performance will still depend on different media content and profile.

② The mini-DP to DP/ DVI/ HDMI adapters are included.

③ For the 6 display outputs, use the 4 ports on the graphic card and choose 2 display outputs on the mother board (e.g. HDMI and DVI-I, DVI-I and DP or HDMI and DP)

