

# Digital Signage Embedded System



Model Name		IDS-200-A70M	ECN-780-Q67	ECN-680A-H61	IOPS-H61	IDS-H61
Chassis	Color	Black	Black	Black	Black	Black
	Dimensions (WxDxH) (mm)	251 x 173.35 x 57	230 x 173 x 60	222 x 163 x 54.5	200 x 171 x 30	267 x 160 x 45
	System Fan	Fanless	1 mm x 80 mm	1 mm x 80 mm	1 mm x 60 mm	Fanless
	Chassis Construction	Aluminum alloys	Aluminum alloys	Aluminum alloys	Aluminum alloys	Aluminum alloys
Motherboard	Processor CPU	AMD® R-series R-260H 2.1 GHz	Intel® Core™ i5-2xxT (above 2.7 GHz) Intel® Core™ i3-2xxT (above 2.5 GHz) Intel® Pentium® G6xxT (above 2.2 GHz)	Intel® Core™ i5-2xxT (above 2.7 GHz) Intel® Core™ i3-2xxT (above 2.5 GHz) Intel® Pentium® G6xxT (above 2.2 GHz)	Intel® Celeron® G530 2.4 GHz	Intel® Celeron® G530T 2.0 GHz
	Chipset	AMD® A70M	Intel® Q67	Intel® H61	Intel® H61	Intel® H61
	System Memory	2 x 204-pin DDR3 SO-DIMM 4GB pre-installed (system max: 16GB)	On-board DDR3 2 GB memory 1 x 204-pin DDR3 SDRAM SO-DIMM (system max: 10 GB)	1 x 204-pin DDR3 SO-DIMM support up to 1066/1333 MHz Pre-installed 2 GB (system max: 8 GB)	1 x 204-pin DDR3 SO-DIMM 1333 MHz Pre-installed 4 GB (system max: 8 GB)	2 x 204-pin DDR3 SO-DIMM 1333 MHz Pre-installed 4 GB (System Max: 16GB)
IPMI	IRIS Solution	iRIS-2400	N/A	N/A	N/A	N/A
Storage	Hard Drive	1 x 2.5" SATA 6Gb/s HDD/SSD drive bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	N/A	1 x 2.5" SATA HDD bay
	SD card	1	N/A	N/A	1	1
	mSATA	1 x mSATA (SATA 6Gb/s signal)	Optional	Optional	1 x Full size (default mSATA 32 GB)	1 x Full size (default mSATA 32 GB)
I/O Interfaces	USB 3.0	2	2	2	N/A	N/A
	USB 2.0	2	2	4	2	4
	Ethernet	2 x RJ-45 1 x PCIe GbE by Intel® I210 1 x PCIe GbE by Intel® I211	1 x PCIe GbE by Intel® 82579 1 x PCIe GbE by Intel® 82583V	1 x PCIe GbE by Intel® 82579 1 x PCIe GbE by Intel® 82583V	1 x RJ-45 1 x PCIe GbE by Intel® 82579 LM	1 x RJ-45 1 x PCIe GbE by Intel® 82579 LM
	RS-232	1 x RJ-45	2 x DB-9	2 x DB-9, 1 x RJ-45	1 x RJ-45	1 x DB-9
	RS-422/485	N/A	1 x DB-9	1 x DB-9	N/A	N/A
	Display	4 x HDMI	1 x HDMI, 1 x DVI-D, 1 x VGA	1 x HDMI, 1 x DVI-D, 1 x DVI-I	1 x DisplayPort 1.1	1 x DVI-I, 1 x DisplayPort 1.1
	Resolution	1920 x 1080@60Hz	VGA: Up to 2048 x 1536@75Hz HDMI: Up to 1920 x 200@60Hz DVI-D: Up to 1920 x 1080@60Hz	HDMI: Up to 1920 x 1200@60Hz DVI-D/DVI-I: Up to 1920 x 1080@60Hz	OPS display: Up to 1920 x 1200 DisplayPort: Up to 2560 x 1600	DVI-I: Up to 1920 x 1200 DisplayPort: Up to 2560 x 1600
	Audio	1 x Line-out, 1 x S/PDIF	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Line-out	1 x Line-out
	Other	1 x SIM standard card slot	N/A	N/A	1 x SDHC card	1 x SDHC card
Wireless	802.11b/g/n 2T2R (optional)	1 x 802.11b/g/n (optional)	1 x 802.11b/g/n (optional)	1 x 802.11b/g/n (optional)	1 x 802.11b/g/n (optional)	
Expansions	PCIe Mini	1 x Full size (supports mSATA), 1 x Half size	2 x Full size (reserved for Wi-Fi and TV-Tuner)	1 x Full size (reserved for Wi-Fi)	1 x Full size (default mSATA 32 GB)	1 x Full size (default mSATA 32 GB) 1 x Half size
Power	Power Input	DC Jack: 10 V~30 V DC	100 V~240 V AC	DC Jack: 9 V~36 V DC	DC Jack: 12 V~19 V DC	DC Jack: 12 V DC
	Power Consumption	19 V@1.78 A (AMD® R-260H with 4 GB memory)	19 V@3.5 A (Intel® Core™ i7-2600S with 1333MHz 4 GB DDR3 memory)	19 V@3.6 A (Intel® Core™ i7-2600S with 1333MHz 4 GB DDR3 memory)	12 V@3.83 A (Intel® Celeron® G530 with 4G DDR3 memory)	12 V@3.41 A (Intel® Celeron® G530T with 4G DDR3 memory)
Reliability	Mounting	Wall mount, VESA mount 75	Wall mount	Wall mount	OPS module PC	Wall mount
	Operating Temperature	0°C ~ 50°C with air flow, 10% ~ 90%, non-condensing	-20°C ~ 50°C with air flow (SSD), 5% ~ 95%, non-condensing	-20°C ~ 60°C with air flow (SSD), 5% ~ 95%, non-condensing	0°C ~ 45°C with air flow (mSATA), 5% ~ 95%, non-condensing	0°C ~ 45°C with air flow (mSATA), 5% ~ 95%, non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis	Half-sine wave shock 3G, 11ms, 3 shocks per axis			
	Operating Vibration	MIL-STD-810F 514.5C-2 (with SSD)	MIL-STD-810F 514.5C-1 with SATA HDD MIL-STD-810F 514.5C-2 with CompactFlash®/SSD		MIL-STD-810F 514.5C-2 with mSATA	MIL-STD-810F 514.5C-1 with SATA HDD MIL-STD-810F 514.5C-2 with mSATA
	Weight (Net/Gross)	5.24 kg/6.5 kg	3.1 kg/4.3 kg	1.8 kg/3.0 kg	1.2 kg/2.4 kg	2.1 kg/4.5 kg
	Safety/EMC	CE/FCC			CE/FCC/LVD	
OS	Supported OS	Microsoft® Windows® 8 Embedded, Microsoft® WESTE	Microsoft® WESTE, Microsoft® Windows® XP Embedded, Linux		Microsoft® Windows® 7, Microsoft® WES7	

\*Notes : Power adapter supports 0°C ~ 40°C

- 1 Industrial Computing Solutions
- 2 Video Capture Solutions
- 3 Embedded Computing Solutions
- 4 ORing Network Communication
- 5 Power Supply/Peripherals
- 6 Panel Solutions Introduction