

SP-63E

Video Wall Signage Player

9th/8th Gen Intel® Core™ Desktop Processor-based Signage Player with Intel® FPGA Arria® 10 FPGA and Twelve HDMI



SignaturePro



Features

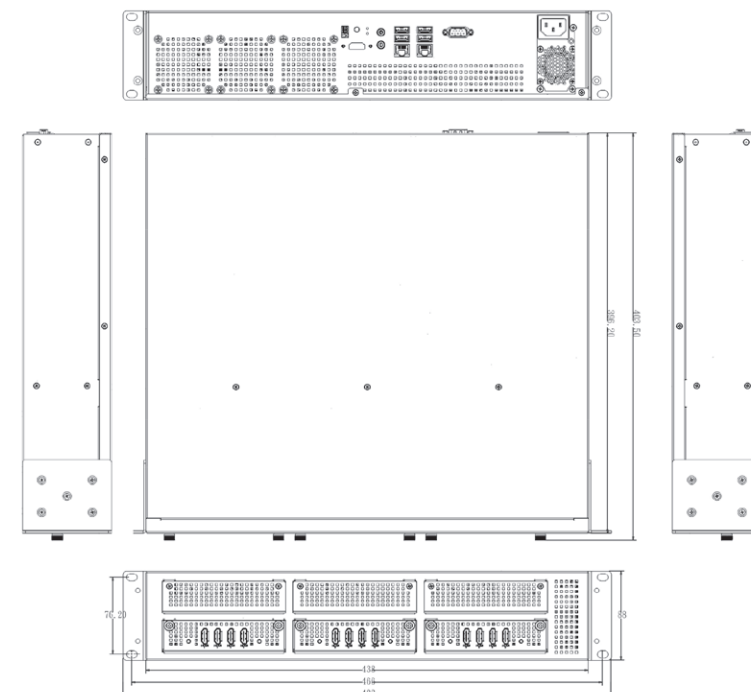
- Supports 9th/8th Gen Intel® Core™ desktop processors
- 12x HDMI 1.3 (w/o audio) with built-in hardware EDID emulation function
- iSMART intelligent energy-saving & Observer remote monitoring technologies
- 4x DDR4-2666/2400 DIMM, Max. 64GB
- 2x USB 3.1, 2x USB 3.0, 1x D-Sub for RS232
- 1x Mini PCI-E (full-size) for mSATA, Wi-Fi, Bluetooth or 4G LTE options
- 1x M.2 for Wi-Fi, Bluetooth or 4G LTE
- 2x SATA III 2.5" HDD with RAID 1 support
- Watchdog timer, Digital I/O, iAMT(11.6), TPM(2.0), vPro
- Rugged design

Specifications

System Mainboard	MBD63E + IDD107
CPU	9th/8th Gen Intel® Core™ i7/i5/i3 processors, up to 4.7GHz
CPU Socket	LGA1151
Chipset	Intel® Q370 PCH
Memory	4x DDR4-2666/ 2400 DIMM, Max. 64GB
Graphics	Intel® HD Graphics P630
LAN	LAN 1: Intel® I219LM GbE PHY LAN 2: Intel® I210AT GbE
Expansion Slots	1x Mini PCI-E 1x M.2 (M-key, type:2280) 1x M.2 (E-key, type:2230)
I/O Interface	12x HDMI 1.3 with hardware EDID emulation 2x USB 3.1 ports 2x USB 3.0 ports 2x RJ45 for Gigabit LAN 1x D-Sub for RS232 3x Microjack audio connectors for Line-in / Line-out/ Mic-in Power LED for power on/off & HDD 1x Power button 1x AC power inlet
Auto Control and Monitoring	Watchdog Timer: 256 segments, 0, 1, 2...255 (sec/min)
Construction	SGCC
Weight	TBD
Storage	2x SATA III 2.5" HDD Dock (supports RAID 1)
Power Supply	AC 110V~240V
Mounting	Standard system bracket
Dimensions	TBD
Operating Temperature	0°C~ 45°C (32°F~113°F)

Storage Temperature	-20°C ~ 80°C (-4°F~176°F)
Relative Humidity	5~90% @ 45°C, (non-condensing)
Vibration	mSATA: 5 grms / 5~500Hz / random operation
Certification	CE, FCC class B, cULus, & CCC
Operating System	Windows 10 IoT Enterprise 64-bit

Dimensions



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Video Wall Signage Solutions

Powered by Intel® Arria® 10 FPGA



Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available.

IBASE SignaturePro Solutions



IDD107 Intel® Arria® 10 FPGA Module
Supports 4x HDMI Display Outputs

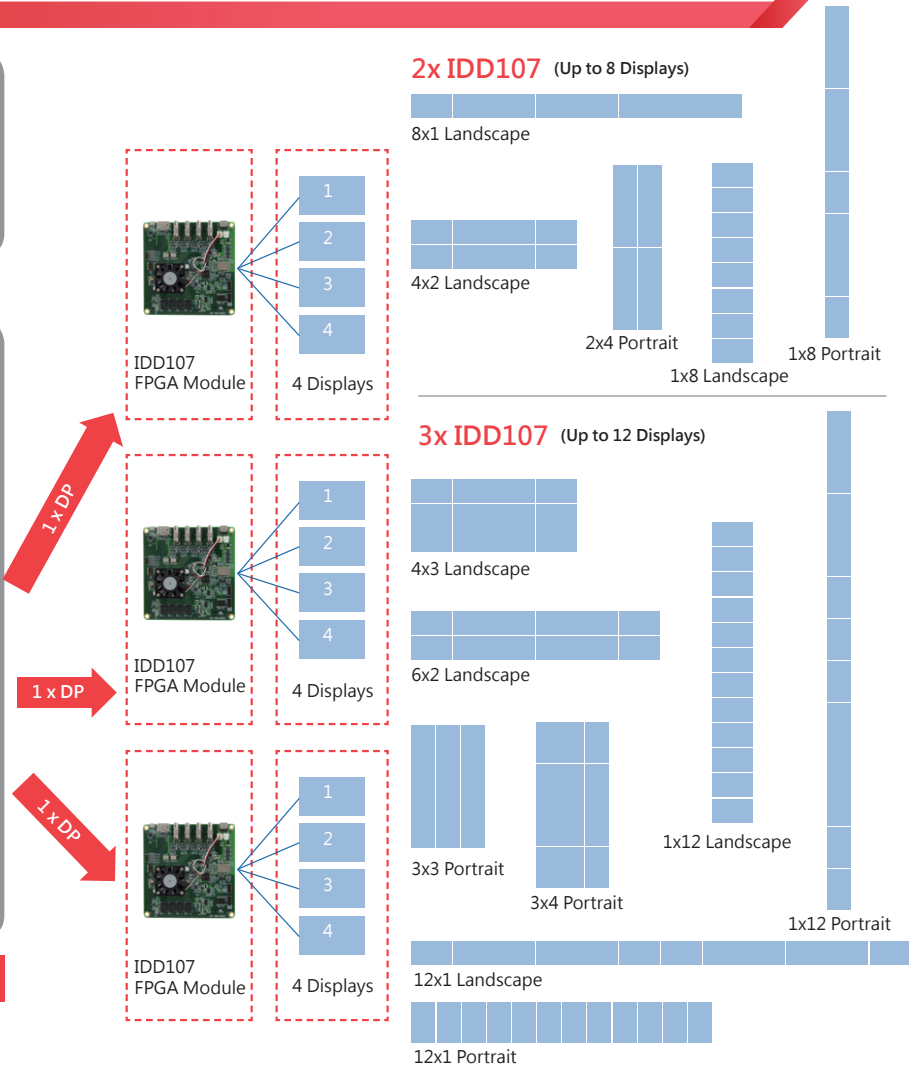
9th/8th Gen Intel® Core™ Processors +IDD107 SignaturePro System Solution



SP-63E Video Wall / Menu Board Player
Supports up to 12x HDMI Display Outputs



Desktop / Bezel / EDID Management



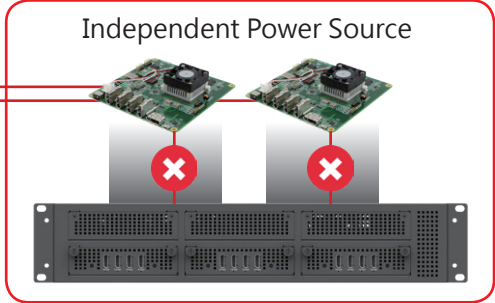
Why SignaturePro Solutions?

Features	Splitter Hub	High-end GPU Card	SignaturePro Solution
Supports 8~12 FHD Display Outputs	✗	✓	✓
Pure Intel-based Multi-output Solution	✗	✗	✓
Intel® vPro™ *1	✗	✗	✓
Intel® MARS *2	✗	✗	✓
IBASE iSMART *3	✗	✗	✓
Keep Last Frame	✗	✗	✓
Display Status Monitoring	✗	✗	✓
EDID Emulation	✗	✓	✓
Portrait Mode	✗	✓	✓
Bezel management	✗	✓	✓
Compact Design	✓	✗	✓
Cost-effective Solution	✓	✗	✓

*1: Intel® vPro™ technology provides system access and the ability to remotely isolate and repair systems after OS failure.
*2: Intel® Media Accelerator Reference Software employs the Intel® Media SDK, an API for developing applications that leverage optimized hardware acceleration.
*3: iSMART is IBASE's proprietary technology allows users to schedule the power on/off time and by reducing the power consumption during standby or off mode, to achieve a lower carbon footprint of the system.

Features & Benefits

When System Malfunction



Keep Last Frame Function
When there's a system malfunction, SP-63E automatically captures and displays the last frame to ensure business continues as usual.

When Display Malfunction

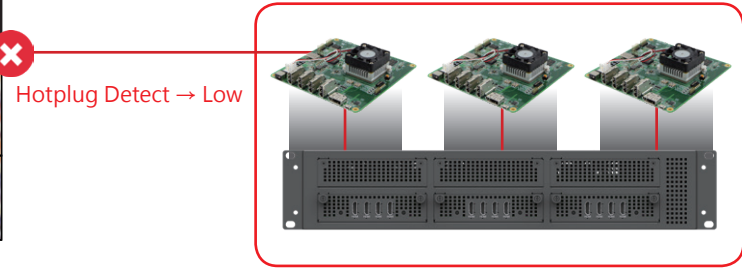


Without EDID Emulation Function



With EDID Emulation Function

Display Status Monitoring & EDID Emulation Functions
In case of display malfunction, SP-63E uses its **Display Status Monitoring** and **EDID Emulation** functions to notify business owners to modify the content or fix display/cable issues to ensure business continues as usual.



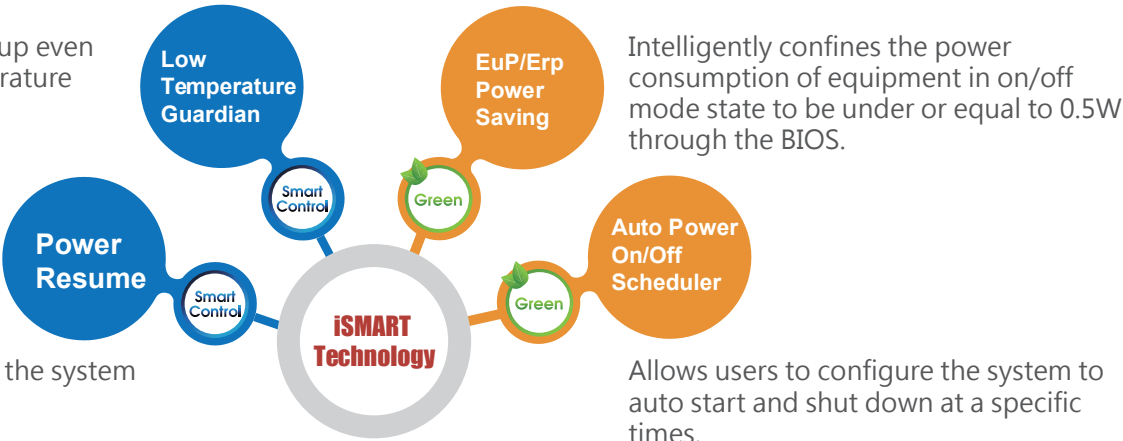
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iSMART Technology

Intelligent Energy-Saving Technology

IBASE's proprietary technology allows users to schedule the power on/off time and by reducing the power consumption during standby or off mode, to achieve a lower carbon footprint of the system.

Helps the system to boot up even under extreme low temperature conditions.



Allows the MCU to restart the system after a power failure.

Allows users to configure the system to auto start and shut down at a specific times.