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

Features

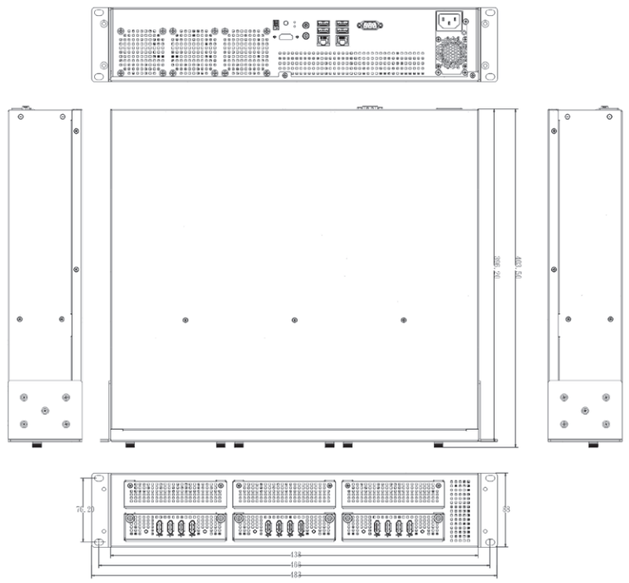
- Supports 9th/8th Gen Intel® Core™ desktop processors
- 12x HDMI 1.3 (w/o audio) with built-in hardware EDID emulation function
- iSMART intelligent energy-saving & Observer remote monitoring technologies
- 4x DDR4-2666/2400 DIMM, Max. 64GB
- 2x USB 3.1, 2x USB 3.0, 1x D-Sub for RS232
- 1x Mini PCI-E (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



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

SignaturePro

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Proudly Australian-Owned Since 1999

Video Wall Signage Solutions

Powered by Intel® Arria® 10 FPGA

intel IoT Solutions Alliance

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

1 x DP

1 x DP

1 x DP

IDD107 FPGA Module

IDD107 FPGA Module

IDD107 FPGA Module

1 2 3 4

4 Displays

4 Displays

4 Displays

2x IDD107 (Up to 8 Displays)

8x1 Landscape

4x2 Landscape

2x4 Portrait

1x8 Landscape

1x8 Portrait

3x IDD107 (Up to 12 Displays)

4x3 Landscape

6x2 Landscape

3x3 Portrait

3x4 Portrait

1x12 Landscape

1x12 Portrait

12x1 Landscape

12x1 Portrait

Why SignaturePro Solutions?

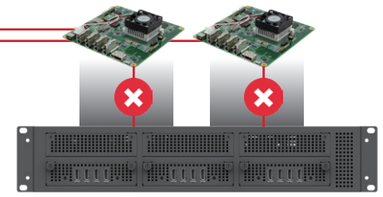
Features	Splitter Hub	High-end GPU Card	SignaturePro Solution
Supports 8~12 FHD Display Outputs	✗	✓	✓
Pure Intel-based Multi-output Solution	✗	✗	✓
Intel® vPro™ *1	✗	✗	✓
Intel® MARS *2	✗	✗	✓
IBASE iSMART *3	✗	✗	✓
Keep Last Frame	✗	✗	✓
Display Status Monitoring	✗	✗	✓
EDID Emulation	✗	✓	✓
Portrait Mode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

Independent Power Source



Keep Last Frame Function

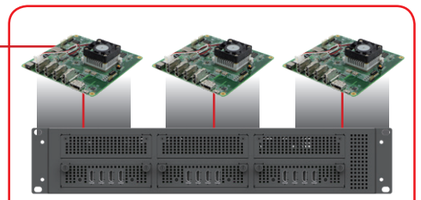
When there's a system malfunction, SP-63E automatically captures and displays the last frame to ensure business continues as usual.

When Display Malfunction

Without EDID Emulation Function

With EDID Emulation Function

Hotplug Detect → Low



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.

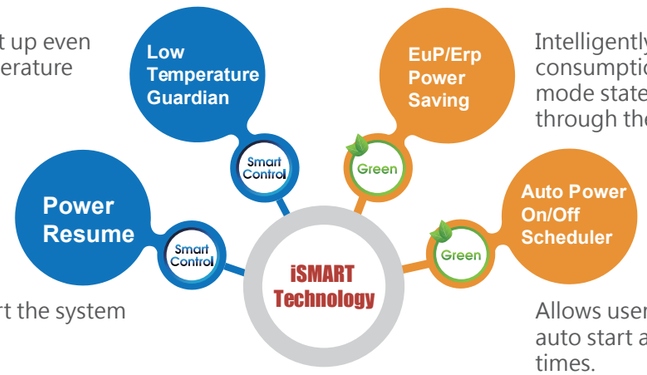
iSMART Technology

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.



Intelligently confines the power consumption of equipment in on/off mode state to be under or equal to 0.5W through the BIOS.

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