SignaturePro

Video Wall Signage Solutions

Powered by Intel® Arria® 10 FPGA

intel® | IoT Solutions Alliance

iBASE

www.ibase.com.tw

IBASE SignaturePro Solutions

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

intel CORE i3 8th Gen
intel CORE i7 8th Gen
intel CORE i5 8th Gen

SP-63E-MX Video Wall Signage Player
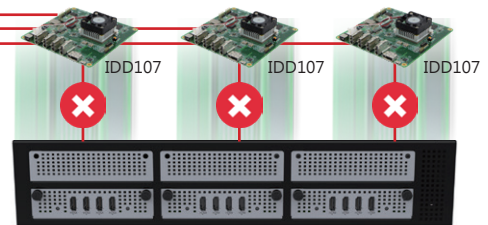Supports up to 24x HDMI Display Outputs

Desktop / Bezel / EDID Management

Features & Benefits

When a System Malfunctions

Independent Power Source

IDD107   IDD107   IDD107

Keep Last Frame Function

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

When a Display Malfunctions

Display or Cable Issue

Display Status Monitoring & EDID Emulation Functions

In case of display malfunction, SP-63E-24-MX 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.

EDID Emulation Function Disabled

Display or Cable Issue

Hotplug Detect → Low

IDD107   IDD107   IDD107
IDD107   IDD107   IDD107

EDID Emulation Function Enabled
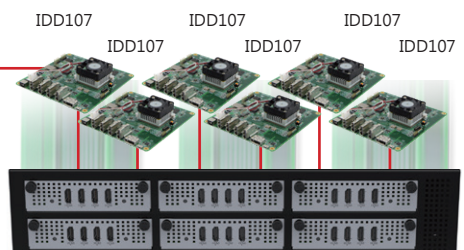
Video Wall Signage Configurations

SP-63E-MX

Supports up to 12 Displays				
Landscape / Portrait	1x8 / 2x4	8x1 / 4x2	1x9 / 2x6	9x1 / 6x2	3x3

Landscape / Portrait	1x8	8x1	1x9	9x1	3x3
	2x4	4x2	2x6	6x2	

SP-63E-16-MX with MXM GTX 1080 Graphics Card

Supports up to 16 Displays									
Landscape / Portrait	1x8	8x1	1x9	9x1	1x12	12x1	1x16	16x1	2x4
	4x2	2x6	6x2	2x8	8x2	3x3	3x4	4x3	4x4

SP-63E-24-MX with MXM E9550 Graphics Card

Supports up to 24 Displays											
Landscape / Portrait	1x18	18x1	2x9	9x2	12x1	1x12	2x4	4x2	2x6	6x2	2x8	8x2
	2x10	10x2	2x12	12x2	3x3	3x4	4x3	3x6	6x3	4x4	4x6	6x4

*Supports a maximum resolution of 16K (due to the limitation of Windows OS).

Video Wall Display Arrangements

X x Y

X →
Y ↓

Landscape

Portrait
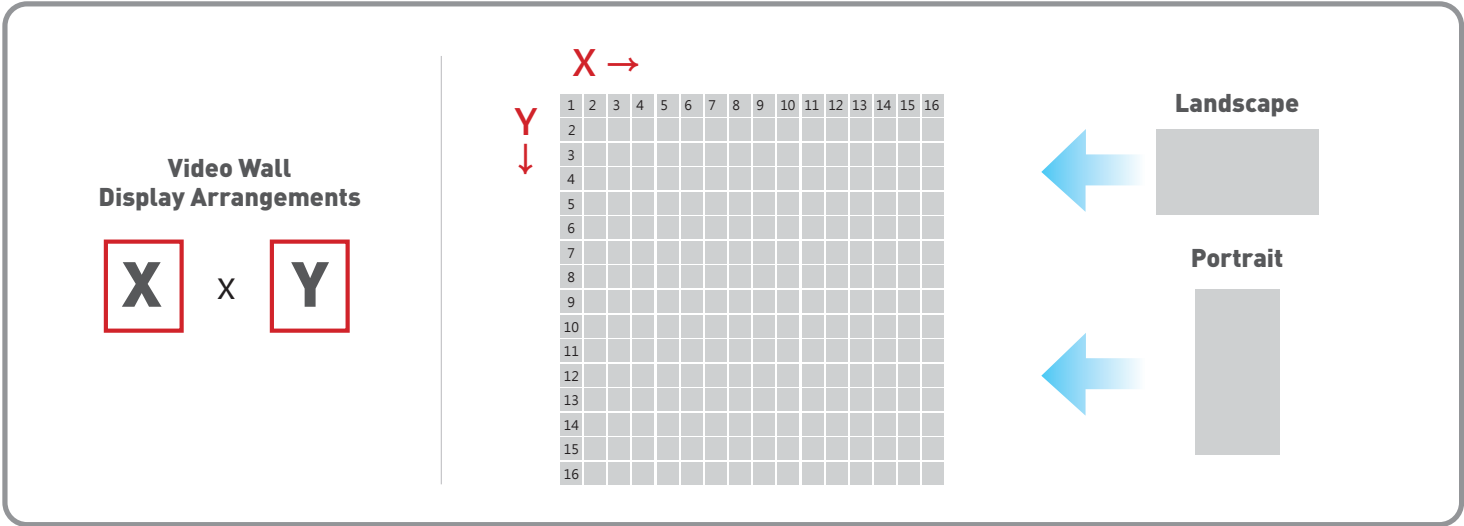
Why SignaturePro Solutions?

Features	Splitter Hub	Professional GPU Card	SignaturePro Solution	SignaturePro With MXM GPU Card
Supports 8~12 FHD Display Outputs	✖	✔	✔	✔
Supports 16~24 FHD Display Outputs	✖	✔	✖	✔
Pure Intel-based Multi-output Solution	✖	✖	✔	✖
Intel® vPro™ [*1]	✖	✖	✔	✖
Intel® MARS [*2]	✖	✖	✔	✖
IBASE iSMART & Observer	✖	✖	✔	✔
Keep Last Frame	✖	✖	✔	✔
Display Status Monitoring	✖	✖	✔	✔
EDID Emulation	✖	✔	✔	✔
Portrait Mode	✖	✔	✔	✔
Bezel management	✖	✔	✔	✔
Compact Design	✔	✖	✔	✔
Cost-optimized 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.

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.
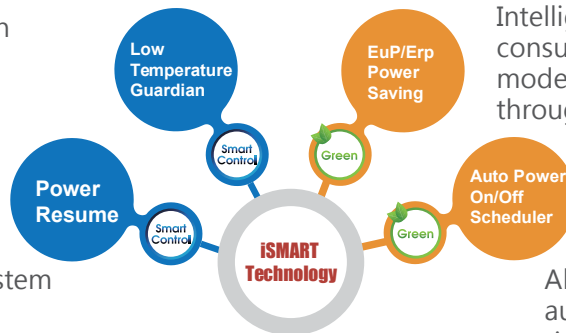
Intelligently confines the power consumption of equipment in on/off mode state to be under or equal to 0.5W through the BIOS.
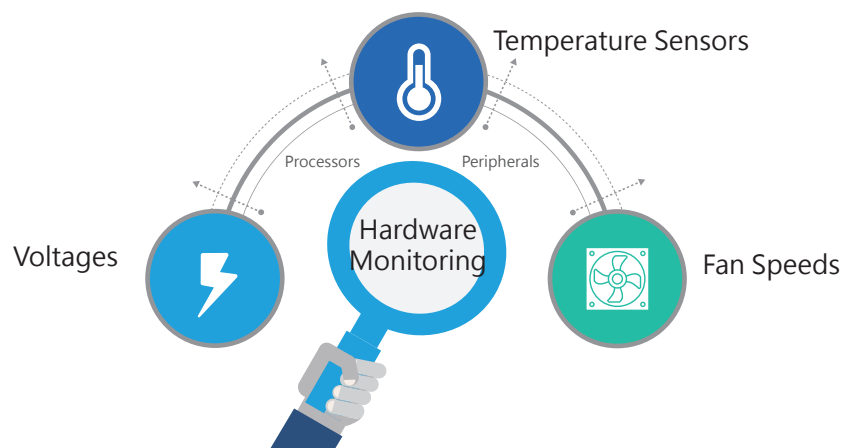
Allows the MCU to restart the system after a power failure.

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

Observer Technology   Remote Monitoring Technology

A hardware remote monitoring utility used for monitoring voltages, temperature sensors and fan speeds remotely.
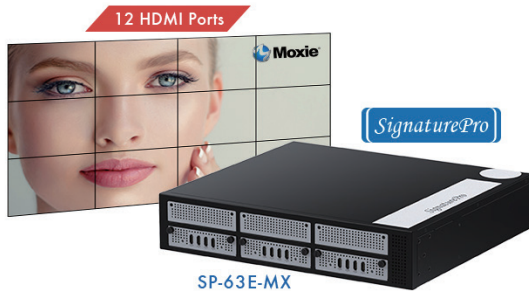
SP-63E-MX

Extreme Performance Video Wall Player

IBASE Video Wall Signage Platform

Video Wall Signage Platform

12 HDMI Ports

SP-63E-MX

Omnivex   iBASE   intel IoT Solutions Alliance

Features

- Perfect for displaying 8K/12K video wall or menu board contents
- Supports 8th Generation Intel® Core™ desktop processors
- Built-in Intel® Arria® 10 FPGA modules
- Intel HD Graphics P630: 12x HDMI (Max.) display outputs
- With MXM GTX 1080: 16x HDMI (Max.) display outputs
- With MXM E9550: 24x HDMI (Max.) display outputs
- Omnivex Moxie® content management software
- Rugged design with Intel® vPro™ and MARS technologies
- iSMART intelligent energy-saving & Observer remote monitoring technologies
- Built-in hardware EDID emulation function
- Last frame capture and display monitoring functions

Specifications

System Mainboard	MBD63E + IDD107
CPU	8th Gen Intel® Core™ i7/i5/i3 processors, up to 4.7GHz
CPU Socket	LGA1151
Chipset	Intel® Q370 PCH
Memory	2x DDR4-2666/ 2400 DIMM, Max. 32GB
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) 1x MXM slot (for NVIDIA or AMD GPU module)
I/O Interface	12x HDMI 1.3 with hardware EDID emulation (w/o MXM graphic card) 4x USB 3.1 ports 1x USB 3.0 ports 2x RJ45 for Gigabit LAN 1x D-Sub for RS232 3x Microjack audio connectors for Line-in / Line-out/Mic 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	9.5Kg (20.9lbs)
Storage	2x SATA III 2.5" HDD Dock (supports RAID 1)
Power Supply	AC 110V~240V
Mounting	Standard system bracket
Dimensions	395mm(W) x 438mm(D) x 88mm(H) 15.5"(W) x 17.2"(D) x 3.46"(H)
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

Ordering Information

SP-63E-MX	Intel® Core™ i7-8700 Processor (12M cache, up to 3.2GHz), 12x HDMI output, 2x 16GB DDR4-2666/2400 SO-DIMM memory, 2x 128GB SATA III 2.5" HDD Dock, 850W PSU, Omnivex Moxie® CMS (Moxie Commercial Back Office Server + Moxie Player license + first year Annual Maintenance Service)
SP-63E-16-MX	Intel® Core™ i7-8700 Processor (12M cache, up to 3.2GHz), 1x MXM NV GTX 1080 8G GDDR5X 256-bits GPU card, 16x HDMI output, 2x 16GB DDR4-2666/2400 SO-DIMM memory, 2x 128GB SATA III 2.5" HDD Dock, 850W PSU, Omnivex Moxie® CMS (Moxie Commercial Back Office Server + Moxie Player license + first year Annual Maintenance Service)
SP-63E-24-MX	Intel® Core™ i7-8700 Processor (12M cache, up to 3.2GHz), 1x AMD Radeon™ E9550MXM 8G GDDR5X 256-bits GPU card, 24 x HDMI output, 2x 16GB DDR4-2666/2400 SO-DIMM memory, 2x 128GB SATA III 2.5" HDD Dock, 850W PSU, Omnivex Moxie® CMS (Moxie Commercial Back Office Server + Moxie Player license + first year Annual Maintenance Service)

Dimensions
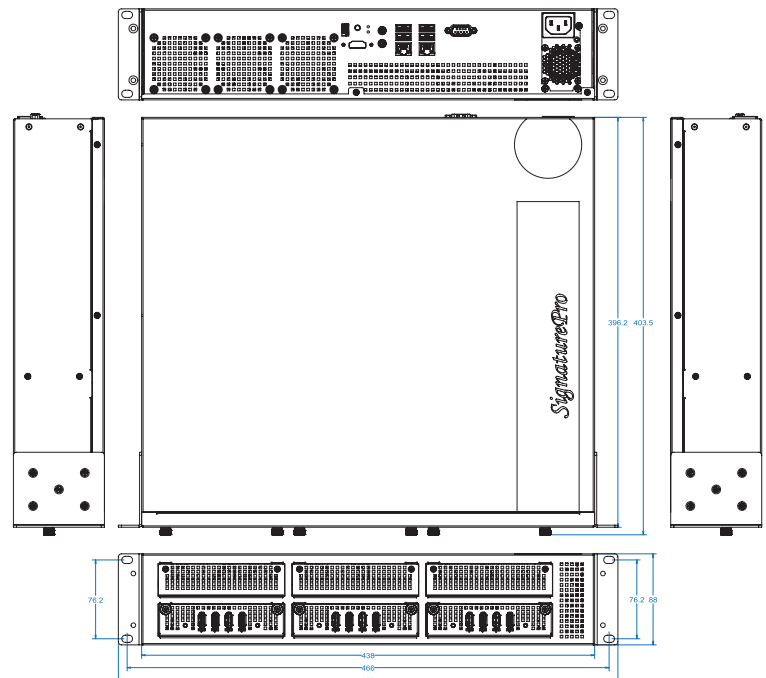
iBASE

HEADQUARTERS

IBASE Technology Inc.
11F, No. 3-1, Yuan Qu St., Nankang,
Taipei 115, Taiwan, R.O.C.

廣積科技股份有限公司
台北市115南港區園區街3-1號11樓G棟
Tel: +886-2-2655-7588
Fax: +886-2-2655-7388
sales@ibase.com.tw
www.ibase.com.tw

WORLDWIDE OFFICES

European Headquarters
IBASE Europe (TMC Technology)
12 Wedgwood Court Stevenage,
Herts, SG1 4QR, United Kingdom
Tel: +44-1438-846090
Fax: +44-1438-842308
sales@ibase-europe.com
www.ibase-europe.com

Italy
IBASE Italy S.r.l.
Via Sant Antonio 1/A
28845 Domodossola, Verbania, Italy
Tel: +39-0324-47501
Fax: +39-0324-47501
info.italy@ibase-europe.com
www.ibase-europe.com

USA
IBASE Technology (USA), Inc.
1050 Stewart Drive,Sunnyvale,
CA 94085, U.S.A.
Tel: +1-408-992-0888
Fax: +1-408-992-0808
sales@ibase-usa.com
www.ibase-usa.com

Singapore
IBASE Singapore Pte Ltd.
10, Ubi Crescent #07-60,
Ubi Techpark (Lobby D),
Singapore 408564
Tel: +65-6842-5112
Fax: +65-6842-5113
sales@ibase-singapore.com
www.ibase-singapore.com

China
IBASE (Shanghai) Technology Inc.
2F, Building 3, No. 2005, HongMei
Road, 201103 Shanghai, China
上海广佳信息技术有限公司
中国上海市虹梅路2005号3号楼2层
邮编：201103
Tel: +86-021-6090-5088
Fax: +86-021-6090-6388
sales@ibase.com.tw
www.ibase.com.tw

China
IBASE (Shanghai) Technology Inc.
Beijing Office
Room 1622, GuoFengMeiTang
Building 5, No. 106, KeXing West Road,
Changping District, 100029 Beijing, China
上海广佳信息技术有限公司-北京办事处
中国北京市昌平区回龙观科星西路106号
国风美唐5号商务楼1622室
邮编：100029
Tel: +86-133-113-80499
sales@ibase.com.tw
www.ibase.com.tw

Japan
IBASE Japan Corp.
3F Bansei Muromachi Bldg., 4-3-12
Nihonbashi Muromachi, Chu-O ku,
Tokyo, Japan
IBASE ジャパン株式会社
東京都中央区日本橋室町4-3-12
バンセイ室町ビル3F
Tel: +81-3-6262-1303
Fax: +81-3-6262-6106
sales@ibase-japan.com
www.ibase-japan.com

India
IBASE India
Tel: +91-7411-43-1234
sales@ibase-india.com
www.ibase-india.com

IBASE