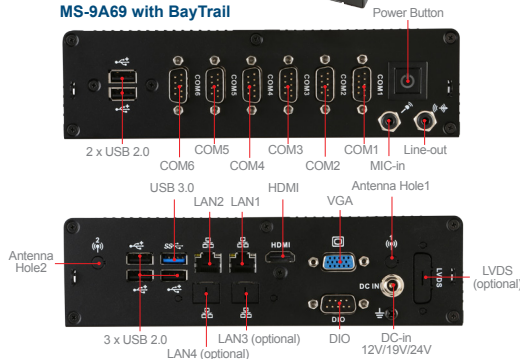


# MS-9A69

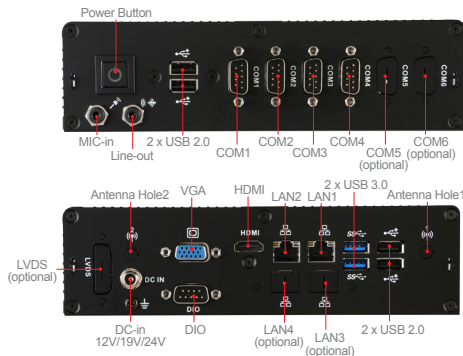
Compact-size Ultra Low-power Fanless System with Intel® BDW ULT or Bay Trail-D Series Platform



MS-9A69 with BayTrail



MS-9A69 with Broadwell



## Features

- Ultra low power with fanless design
- Support DDR3L 1333/1600 MHz SO-DIMM memory up to 8GB
- Support 2 or 3 independent displays with HDMI, VGA, and LVDS (BDW only)
- Dual GbE LAN, rich USB and COM ports
- Dual Mini-PCIe for expansion
- Support DC-in 12V/19V/24V

## Ordering Information

Part Number	Description
939-9A69-001/ 939-9A69-003	BAREBONE, FANLESS, J1900, MSI LOGO, BLACK, CD, ADAPTER 19V/65W, POWER CORD USA/EU, SATA CABLE
939-9A69-002/ 939-9A69-004	BAREBONE, FANLESS, i3-5010U, MSI LOGO, BLACK, CD, ADAPTER 19V/65W, POWER CORD USA/EU, SATA CABLE

## Packing List

Part Number	Description
G71-SEDC145-N56	Driver DVD
K1D-3012009-V03	SATA cable with Power, 150mm
K33-3001020-I45/ K33-3001005-I45	Power cable, USA, 1800mm / Power cable, EU, 1830mm
S93-0401690-S14	ADAPTER 19V/65W
E22-9A69040-F62	Wall mounting bracket
E49-1303007-P65	HDD Screw

NEW

## Specifications

<b>System Processor</b>	CPU	Intel® Celeron® Processor BayTrail J1900, Quad Core	Intel® BDW ULT Core™ i3-5010U Processor, Dual Core	
	Frequency	2 GHz	2.1 GHz	
	L2 Cache	2MB	3MB	
	CPU Type	BGA	BGA	
	Chipset	N/A	N/A	
	BIOS	AMI		
<b>Memory</b>	Technology	Single-channel DDR3L 1333 MHz	Single-channel DDR3L 1600 MHz	
	Max. Capacity	Up to 8G		
	Socket	1 x 204-pin SO-DIMM		
<b>Graphic</b>	Controller	Intel® HD Graphics		
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM		
	Multiple Display	2 independent displays	3 independent displays	
	Display Interface	VGA up to 1920 x 1080	VGA up to 1920 x 1200	
		HDMI up to 1920 x 1080 LVDS up to 1920 x 1200 (optional)	HDMI up to 1920 x 1080 LVDS up to 1920 x 1200 (optional)	
<b>Ethernet</b>	Controller	2 x Intel® I210-AT GbE LAN		
		1 x Intel® I218-LM GbE LAN PHY		
<b>Audio</b>	Controller	Realtek® ALC887-VD2-CG HD Audio Codec		
<b>H/W Monitor</b>	Watchdog Timer	256-level Watchdog Timer		
<b>TPM</b>	Controller	N/A		
<b>Expansion Slot</b>	Mini-PCIe	2 x Full-size (one w/ mSATA)	1 x Full-size (w/ mSATA) 1 x Half-size	
<b>Storage</b>	SATA	1 x 2.5" HDD/SSD		
	mSATA	1		
<b>I/O Interface</b>	RJ-45	4 (optional 2 x RJ-45 version available)		
	Audio	1 x Mic-in 1 x Line-out		
		USB	1 x USB 3.0 5 x USB 2.0	2 x USB 3.0 4 x USB 2.0
	Serial	6 x COM ports COM1: RS-232/422/485, 0V/5V/12V COM2-6: RS-232, 0V/5V/12V		4 x COM ports COM1: RS-232/422/485, 0V/5V/12V COM2-4: RS-232, 0V/5V/12V
		HDMI	1	
		LVDS	1 (optional)	
		VGA	1	
	<b>Power Supply</b>	Antenna	2 openings reserved for antennas	
		DC Input	DC-in 12V/19V/24V	
		AC Input	N/A	
<b>Environment</b>	Operating Temperature	-10 ~ 45°C (HDD) -10 ~ 55°C (SSD or mSATA)		
	Operating Humidity	10 ~ 90%, non-condensing		
	Storage Temperature	-20 ~ 80°C		
	Storage Humidity	10 ~ 90%, non-condensing		
	Vibration	Operating, 0.25 Grms, 5-300Hz, 3axes (w/ HDD)		
<b>Physical characteristics</b>	Shock	Operating, 3 G, half sine 11 ms duration (w/ HDD)		
	Dimensions	200mm x 150mm x 55mm		
	Weight	1.38 kg		
<b>Certification</b>	Mounting	Wall mount/VESA mount(optional)/DIN-rail mount(optional)		
	EMC	FCC, CE, RCM, VCCI, BSMI		
<b>Software Platform</b>	Safety	BSMI		
	OS Support	Windows 7 (32/64-bit), Windows 8.1 (32/64-bit), Windows 10 (64 Bit)		