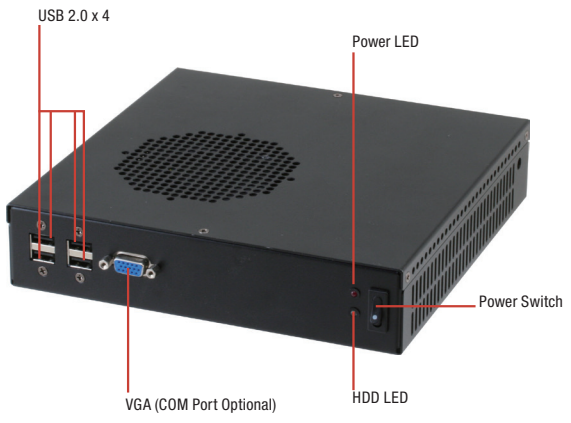


# ACS-1U01-H81B

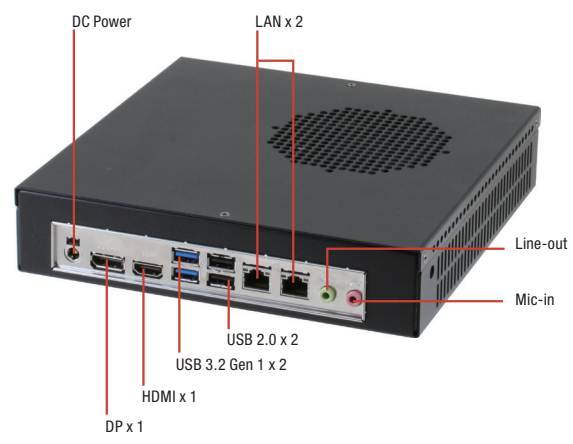
Mini-ITX 1U Chassis with Intel® 4th Generation Processor

Turn-Key Chassis Solutions

Front View



Rear View



## Features

- LGA 1150 Socket For Intel® 4th Generation 22 nm Processor
- Intel® H81
- DDR3 1333/1600MHz SODIMM x 2, Up to 16GB
- Dual Independent Display: HDMI, DP
- Rich IO Supported: USB 3.2 Gen 1 x 2, USB 2.0 x 6
- Compact Size, Low Power

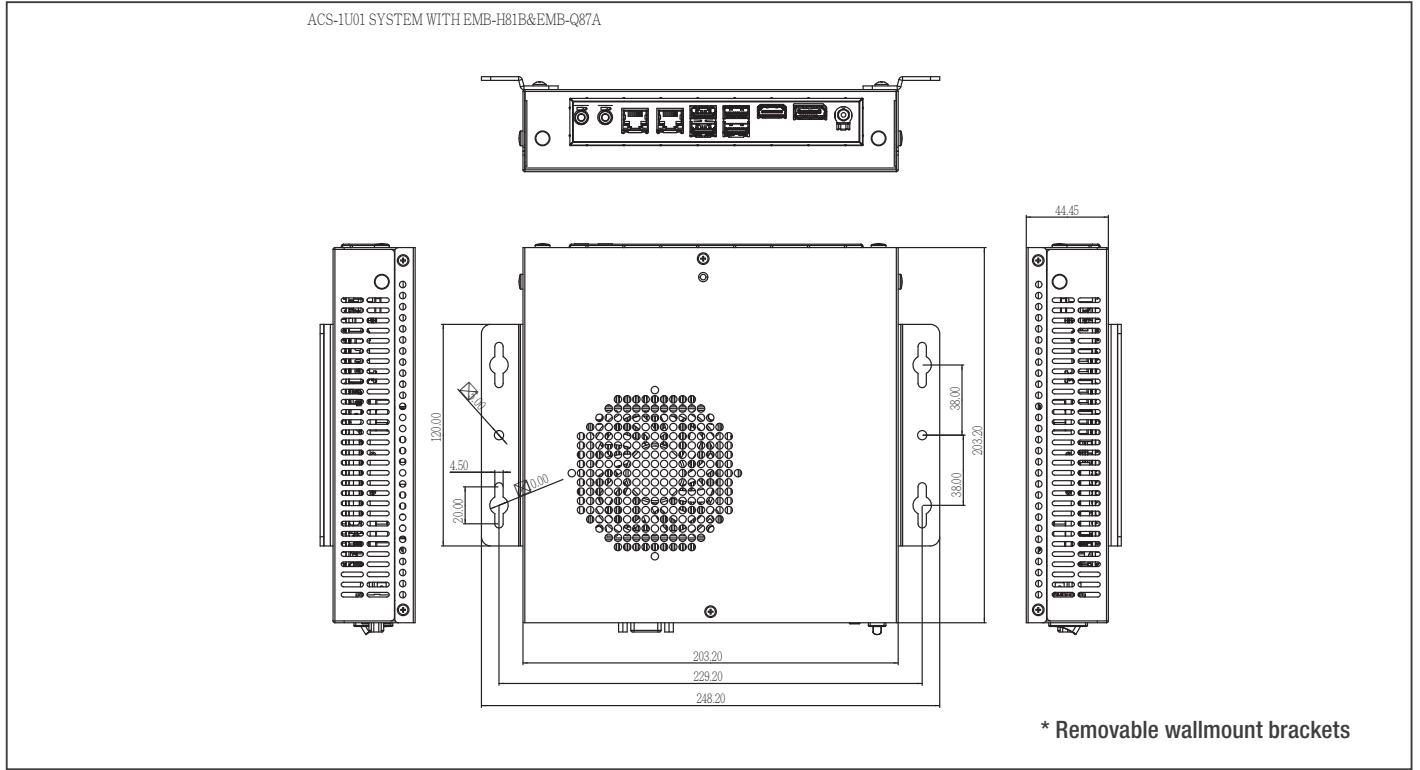


## Specifications

System		
CPU	Intel® Haswell 22nm LGA 1150 socket Processor, Max. 65W TDPs (follow thin mini-ITX)	
Chipset	—	
System Memory	204-pin SODIMM x 2, Max. 16GB, DDR3 1600/1333 MHz Non-ECC, un-buffered memory, Dual-channel memory architecture	
I/O Chipset	NCT6791D	
Display Interface	Chipset	Intel® Graphics Media Accelerator
	HDMI	HDMI 1.4 x 1, Up to 4096 x 2160 @ 24 Hz / 2560 x 1600 @ 60 Hz
	DP	DP 1.2 x 1, Up to 4096 x 2160 @ 24 Hz / 3840 x 2160 @ 60 Hz
VGA	VGA x 1, Up to 1920 x 1200 @ 60 Hz	
Storage Devices	2.5" HDD, Full-Size Mini-Card (optional)	
Network	LAN	Realtek® PCIe Gb LAN 8111G x 2
I/O		
Front I/O	USB	USB 2.0 port x 4
	Audio	—
	Display	VGA x 1
	Others	On/Off Button x 1, Power LED + HD LED x 1, (COM port optional if not use VGA port)
Rear I/O	USB	USB 3.2 Gen 1 port x 2, USB 2.0 port x 2
	Audio	Line-out (green) x 1, Mic-in (pink) x 1
	Display	HDMI x 1, DP x 1
	LAN	RJ-45 connector x 2
	Power	DC Power x 1
	Others	—
Expansion	Mini PCIe	Half size Mini-Card (PCIe+USB) x 1
	Storage	Full-Size Mini-Card x 1, SATA3 (6.0Gb/s) x 1, SATA2 (3.0Gb/s) x 1, SATA power connector x 1
	Others	RS-232 9-pin int. box header x 1, RS/232/422/485 9-pin box header x 1, 5-pin USB 2.0 header (p=2.00mm) x 2
Indicator	Front	Power LED x 1, HDD Active LED x 1
	Rear	—
Power		
Battery	Lithium battery	
Power Requirement	DC: 12V~24V (± 5% wide range voltage input)	
Mechanical		
Dimension (WxHxD)	8" x 8" x 1.75" (203.20mm x 203.20mm x 44.45mm)	
VESA Mounting	Wallmount	
Anti-Vibration	0.5 Grms/ 5~ 500Hz/ operation – HDD	
Anti-Shock	10 G peak acceleration (11 msec. duration)	
Environmental		
Operating temperature	32°F ~ 122°F (0°C ~ 50°C)	
Certificate	CE & FCC Class A	
Operating System		
MS Windows	Windows® 10 32/64-bit, Windows® 7 32/64-bit, Windows® 8.1 32/64-bit	
Linux	Fedora	

### Dimension

Unit: mm



### Ordering Information

Part Number	CPU	RAM Module	Display	Cooler	Storage	LAN	USB	Serial Port	Expansion Slot	Power	Mounting
ACS-1U01-H81B-V10	LGA1150 Socket type	—	HDMI x 1, DP x 1, VGA x 1	1U aluminium cooler x 1	2.5" HDD shelf, Full-Size Mini-Card	GbE x 2	USB 3.2 Gen 1/2.0 x 2, USB 2.0 x 6	RS-232 x 1, RS-232/422/485 x 1(W/O VGA)	Half size Mini-Card x 1	DC 12V ~ 24V	Wallmount

### Packing List

- 1U Cooler
- Wallmount Kit
- 2.5" HDD Tray
- ACS-1U01-H81B (1U Chassis w/ EMB-H81B)

### Optional Accessories

- **1702031830**  
Power Cord (US & Taiwan Type)
- **1702031831**  
Power Cord (European Type)
- **1702031810**  
Power Cord (Japanese Type)
- **ADAPTER-120W-01 (P/N)**  
120W Power Adapter