

# RM641-HD

H81



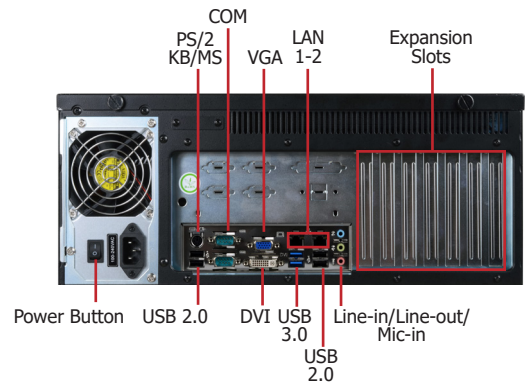
## Features

- 4th Gen Intel Core Rackmount 4U Box IPC
- Up to 1x 3.5"/2.5" SATA drive bays and 3x optical drive bays
- Front-accessible system fan and USB interfaces
- Supports 7 expansion slots:  
1 PCIe x16, 1 PCIe x4, 4 PCI, 2 ISA
- Designed for industrial server application

## Panel

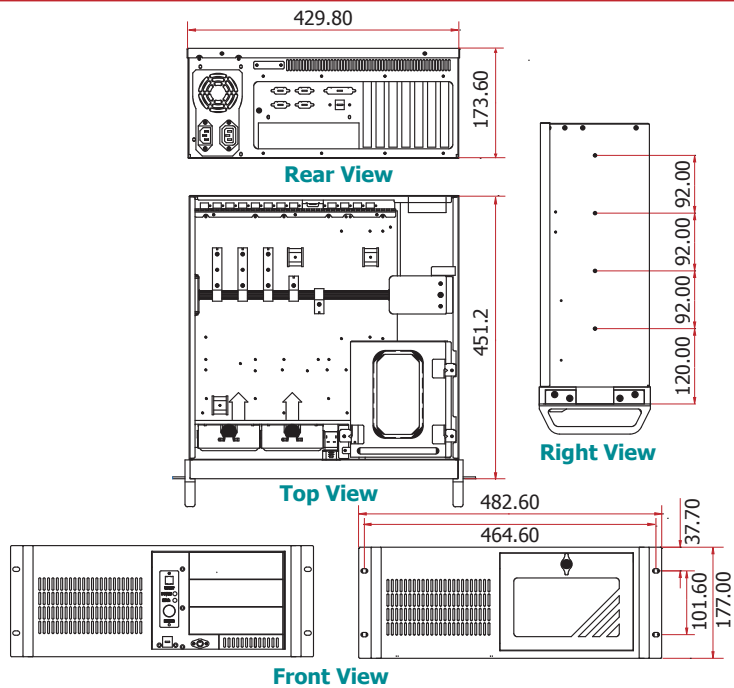


Front View



Rear View

## Dimensions



## ► Specifications

<b>SYSTEM</b>	<b>Processor</b>	LGA 1150 Socket 4th Generation Intel® Core™ Processors Intel® Core™ i7-4790S Processor (8M Cache, up to 4.0 GHz); 65W Intel® Core™ i7-4770S Processor (8M Cache, up to 3.9 GHz); 65W Intel® Core™ i7-4770TE Processor (8M Cache, up to 3.3 GHz); 45W Intel® Core™ i5-4590S Processor (6M Cache, up to 3.7 GHz); 65W Intel® Core™ i5-4590T Processor (6M Cache, up to 3.0 GHz); 35W Intel® Core™ i5-4570S Processor (6M Cache, up to 3.6 GHz); 65W Intel® Core™ i5-4570TE Processor (4M Cache, up to 3.3 GHz); 35W Intel® Core™ i3-4360 Processor (4M Cache, 3.7 GHz); 54W Intel® Core™ i3-4350T Processor (4M Cache, 3.1 GHz); 35W Intel® Core™ i3-4340TE Processor (4M Cache, 2.6 GHz); 35W Intel® Core™ i3-4330 Processor (4M Cache, 3.5 GHz); 54W Intel® Core™ i3-4330TE Processor (4M Cache, 2.4 GHz); 35W Intel® Pentium® Processor G3420 (3M Cache, 3.2 GHz); 53W Intel® Pentium® Processor G3320TE (3M Cache, 2.3 GHz); 35W Intel® Celeron® Processor G1820 (2M Cache, 2.7 GHz); 53W Intel® Celeron® Processor G1820TE (2M Cache, 2.2 GHz); 35W	
	<b>Chipset</b>	Intel® H81 Chipset	
	<b>Memory</b>	Two 240-pin DIMM up to 16GB	Dual Channel DDR3 1333/1600MHz
	<b>BIOS</b>	AMI SPI 64Mbit	
	<b>GRAPHICS</b>	<b>Controller</b>	Intel® HD Graphics
	<b>Feature</b>	Direct X, Supports 6 Graphics Execution Units (EUs), Intel® Clear Video Technology	
	<b>Display</b>	1 x VGA	VGA, DVI: resolution up to 1920x1200 @ 60Hz
		1 x DVI-I (DVI-D signal)	
	<b>Dual Displays</b>	VGA + DVI-I (DVI-D signal)	
<b>STORAGE</b>		3 x 5.25" Optical Drive Bays (Front Accessible) 1 x 3.5"/2.5" SATA 3.0 Drive Bay (Front Accessible)	
<b>EXPANSION</b>	<b>Interface</b>	1 x PCIe x16 (Gen 3) 1 x PCIe x4 (Gen 2) (x1 signal) 4 x PCI (PCI 2.3) (one shared with ISA slot) 2 x ISA	
<b>AUDIO</b>	<b>Audio Codec</b>	Realtek ALC886	
<b>ETHERNET</b>	<b>Controller</b>	1 x Intel® 82574 PCIe (10/100/1000Mbps) 1 x Intel® I217LM PCIe (10/100/1000Mbps)	
<b>LED</b>	<b>Indicators</b>	1 x Power LED 1 x HDD LED	
<b>FRONT I/O</b>	<b>USB</b>	2 x USB 2.0 (available upon request)	
	<b>Front Door</b>	1 x Drive Panel Door With Keylock	
	<b>Buttons</b>	1 x Power Switch 1 x Reset Switch	
<b>REAR I/O</b>	<b>Ethernet</b>	2 x GbE (RJ-45)	
	<b>Serial</b>	2 x RS-232/422/485 (DB-9)	
	<b>USB</b>	2 x USB 3.0 4 x USB 2.0	
	<b>PS/2</b>	1 x PS/2 (mini-DIN-6)	
	<b>Display</b>	1 x VGA 1 x DVI-I (DVI-D signal)	
	<b>Audio</b>	1 x Line-out 1 x Line-in 1 x Mic-in	
	<b>Buttons</b>	1 x ATX Switch	
<b>COOLING</b>	<b>Fan</b>	2 x 92cm System Fan with Quick Access Filter	
<b>WATCHDOG TIMER</b>	<b>Output &amp; Interval</b>	System Reset, Programmable via Software from 1 to 255 Seconds	
<b>POWER</b>	<b>Supply</b>	ATX PS/2 Power Supply 500W	AC Power Input : 90~264V
<b>OS SUPPORT</b>		WES 7	
<b>MECHANISM</b>	<b>Construction</b>	SECC, Flexible Hold Down Bar	
	<b>Dimensions ( W x H x D )</b>	483mm x 177mm x 451mm	
	<b>Weight</b>	21.7kg	
<b>ENVIRONMENT</b>	<b>Operating Temperature</b>	0 to 45°C	
	<b>Storage Temperature</b>	-20 to 60°C	
	<b>Relative Humidity</b>	0 to 90% RH (non-condensing)	
<b>STANDARDS AND CERTIFICATIONS</b>	<b>Shock</b>	Operating: 3G	Non-operating: 10G
	<b>Vibration</b>	Operating: Random 5~500Hz 1G	Non-operating: Sweep Sine 10~500Hz 1.5G
	<b>Package Drop</b>	ISTA Project 1A	
	<b>Certification</b>	CE, FCC Class A, RoHS	



### ► Ordering Information

Model Name	Part Number	Description
<b>RM641-HD</b>	750-RM6411-200G	RM641-HD620, 4U Rackmount System, HD620-H81, 2 LAN, 2 COM, 6 USB, 7 Expansion Slots, ATX PS/2 500W, RoHS

### ► Optional Items

Optional Items	Part Number	Description
<b>CPU</b>	785-1150DL	CPU, LGA1150, Long-Term Support, RoHS
<b>Memory</b>	785-RL0D38G-L	DIMM, DDR3L Module (supports dual voltage 1.5V DDR3/1.35V DDR3L), 8GB, RoHS
	785-RL0D34G-L	DIMM, DDR3L Module (supports dual voltage 1.5V DDR3/1.35V DDR3L), 4GB, RoHS
	785-RL0D32G	DIMM, DDR3 Module, 2GB, RoHS
<b>HDD</b>	785-H351T0B	3.5" SATA HDD, 1TB, RoHS
	785-H35500G	3.5" SATA HDD, 500GB, RoHS
	785-H25500G	2.5" SATA HDD, 500GB, RoHS
<b>HDD Bracket</b>	622-050050-000G	5.25" to 3.5" HDD Bracket
<b>SSD Bracket</b>	A31-028264-000G	3.5" to 2.5" SSD Bracket
<b>Power Supply</b>	671-330005-000G	ATX PS/2, 300W, 24pin, RoHS
	671-350001-000G	ATX PS/2, 500W, 100~240V, RoHS
<b>Power Cord</b>	785-PWRD	Power Cord, Standards (USA/EUR/CH), 1.8m, RoHS

### ► Packing List

- 1 RM641-HD System Unit (including HD620-H81 MB, CPU cooler, ATX 500W PSU)
- 1 SATA Cable
- 1 Quick Installation Guide