

RM641-HD

H81



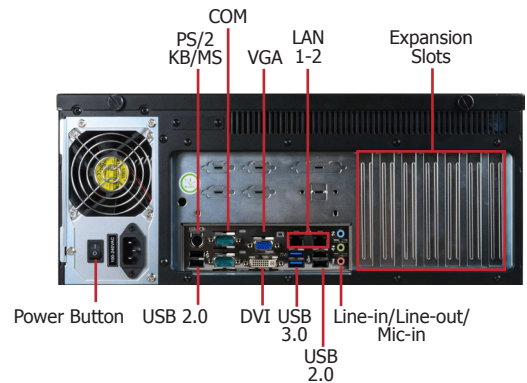
Features

- 4th Gen Intel Core Rackmount 4U Box PC
- 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

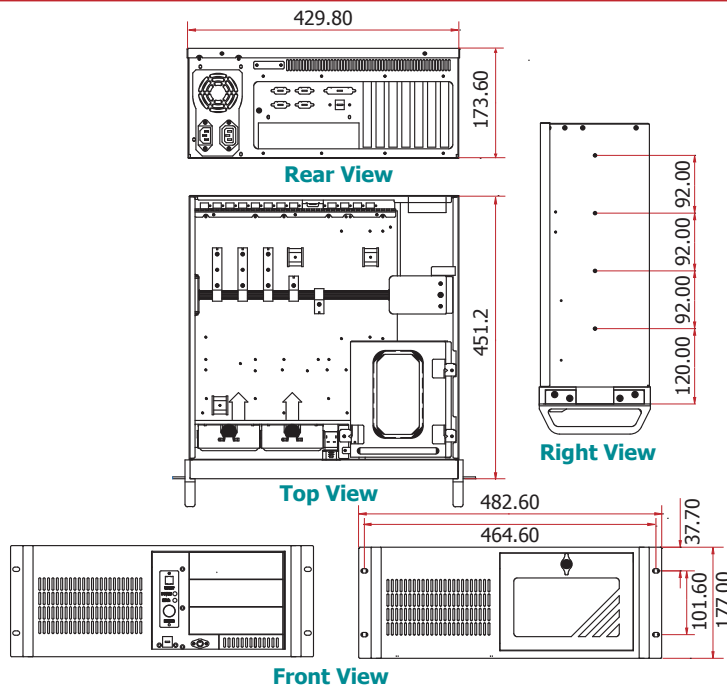


Front View



Rear View

Dimensions



► Specifications

SYSTEM	Processor	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	
	Chipset	Intel® H81 Chipset	
	Memory	Two 240-pin DIMM up to 16GB	Dual Channel DDR3 1333/1600MHz
	BIOS	AMI SPI 64Mbit	
	GRAPHICS	Controller	Intel® HD Graphics
	Feature	Direct X, Supports 6 Graphics Execution Units (EUs), Intel® Clear Video Technology	
	Display	1 x VGA	VGA, DVI: resolution up to 1920x1200 @ 60Hz
		1 x DVI-I (DVI-D signal)	
	Dual Displays	VGA + DVI-I (DVI-D signal)	
STORAGE		3 x 5.25" Optical Drive Bays (Front Accessible) 1 x 3.5"/2.5" SATA 3.0 Drive Bay (Front Accessible)	
EXPANSION	Interface	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	
AUDIO	Audio Codec	Realtek ALC886	
ETHERNET	Controller	1 x Intel® 82574 PCIe (10/100/1000Mbps) 1 x Intel® I217LM PCIe (10/100/1000Mbps)	
LED	Indicators	1 x Power LED 1 x HDD LED	
FRONT I/O	USB	2 x USB 2.0 (available upon request)	
	Front Door	1 x Drive Panel Door With Keylock	
	Buttons	1 x Power Switch 1 x Reset Switch	
REAR I/O	Ethernet	2 x GbE (RJ-45)	
	Serial	2 x RS-232/422/485 (DB-9)	
	USB	2 x USB 3.0 4 x USB 2.0	
	PS/2	1 x PS/2 (mini-DIN-6)	
	Display	1 x VGA 1 x DVI-I (DVI-D signal)	
	Audio	1 x Line-out 1 x Line-in 1 x Mic-in	
	Buttons	1 x ATX Switch	
COOLING	Fan	2 x 92cm System Fan with Quick Access Filter	
WATCHDOG TIMER	Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds	
POWER	Supply	ATX PS/2 Power Supply 500W	AC Power Input : 90~264V
OS SUPPORT		WES 7	
MECHANISM	Construction	SECC, Flexible Hold Down Bar	
	Dimensions (W x H x D)	483mm x 177mm x 451mm	
	Weight	TBD	
ENVIRONMENT	Operating Temperature	0 to 45°C	
	Storage Temperature	-20 to 60°C	
	Relative Humidity	0 to 90% RH (non-condensing)	
STANDARDS AND CERTIFICATIONS	Shock	Operating: 3G	Non-operating: 10G
	Vibration	Operating: Random 5~500Hz 1G	Non-operating: Sweep Sine 10~500Hz 1.5G
	Package Drop	ISTA Project 1A	
	Certification	CE, FCC Class A, RoHS	



► Ordering Information

Model Name	Part Number	Description
RM641-HD	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
CPU	785-1150DL	CPU, LGA1150, Long-Term Support, RoHS
Memory	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
HDD	785-H351T0B	3.5" SATA HDD, 1TB, RoHS
	785-H35500G	3.5" SATA HDD, 500GB, RoHS
	785-H25500G	2.5" SATA HDD, 500GB, RoHS
HDD Bracket	622-050050-000G	5.25" to 3.5" HDD Bracket
SSD Bracket	A31-028264-000G	3.5" to 2.5" SSD Bracket
Power Supply	671-330005-000G	ATX PS/2, 300W, 24pin, RoHS
	671-350001-000G	ATX PS/2, 500W, 100~240V, RoHS
Power Cord	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
• 1 CD disk includes: - Drivers / Manual