

# R4U20 4U RACKMOUNT SYSTEM

## Quick Info

Processor: Up to 6th Gen Intel® Core and Xeon®

Memory: Up to 64GB DDR4

Slots: Up to 2 PCIe x16 and 2x PCIe x4

Bays: 3x 5.25", 1x 3.5", Hot-Swap options

Power: 700W with redundant options

Customization optional

DFI TECH's line of rugged 4U industrial-grade rackmount computers are designed to fulfill your needs in applications requiring a high degree of versatility and a wide range of computing and I/O options. Built with power supply configurations for both standard and redundant operation, Optical/Hard Disk/Solid State Disk drives in both fixed and removable mounts, and an extensive range of expansion capabilities, they provide long-term availability and configuration/customization flexibility in the harshest operating environments. Designed to be "fit-for-use" in applications involving industrial automation, military & government, machine vision, robotics, simulation, communications and many other areas, these systems provide the reliability, quality and consistency you need to exceed all expectations.



# R4U20 SPECIFICATIONS



	R4U20 532	R4U20 530
<b>Construction:</b>	Heavy Duty Cold Rolled Electroplated Steel	Heavy Duty Cold Rolled Electroplated Steel
<b>Main Board:</b>	SD631-C236*	SD630-H110*
<b>Processors:</b>	6th Generation Intel® Core™ and Xeon® Processors, LGA1151 Socket	6th Generation Intel® Core™ Processors, LGA1151 Socket
<b>Chipset:</b>	Intel® C236	Intel® H110
<b>Memory:</b>	4x 288-pin ECC DIMM up to 64GB Dual Channel DDR4 1866/2133MHz	2x 240-pin DIMM up to 16GB Dual Channel DDR3L 1600MHz
<b>Graphics:</b>	Intel® HD Gen 9	Intel® HD Gen 9
<b>Graphics Ports:</b>	1xVGA 1x DVI (DVI-D signal) 1x HDMI	1xVGA 1x DVI (DVI-D signal) 1x HDMI
<b>Expansion:</b>	7x Rear Slots for: 2x PCIe x16 (1 x16 or 2 x8 signal) (Gen 3) 2x PCIe x4 (Gen 3) 3x PCI	7x Rear Slots for: 1x PCIe x16 (Gen 3) 1x PCIe x4 (Gen 2) 5x PCI
<b>Audio:</b>	Realtek ALC888S-VD2-GR	Realtek ALC888S-VD2-GR
<b>Ethernet Controller:</b>	1x Intel® I210AT PCIe (10/100/1000Mbps) 1x Intel® I219LM PCIe with iAMT 11.0 (10/100/1000Mbps) (only Core i7/i5 supports iAMT)	1x Intel® I210AT PCIe (10/100/1000Mbps) 1x Intel® I219V PCIe (10/100/1000Mbps)
<b>Ethernet Ports:</b>	2x GbE (RJ-45)	2x GbE (RJ-45)
<b>USB Ports:</b>	4x USB 3.0 (rear) 2x USB 2.0 (rear) 2x USB 2.0 (front)	4x USB 3.0 (rear) 2x USB 2.0 (rear) 2x USB 2.0 (front)
<b>Serial Ports:</b>	1x RS-232/422/485 (DB-9)	1x RS-232/422/485 (DB-9)
<b>PS/2 Ports:</b>	1x PS/2 (mini-DIN-6)	1x PS/2 (mini-DIN-6)
<b>Audio Ports:</b>	1x Line-in (available upon request) 1x Line-out 1x Mic-in	1x Line-in (available upon request) 1x Line-out 1x Mic-in
<b>SATA:</b>	6x SATA 3.0 (up to 6Gb/s) RAID 0/1/5/10	4x SATA 3.0 (up to 6Gb/s)
<b>Drive Bays:</b>	3x 5.25" (can be equipped with Hot Swap for 1x 3.5" or 4x 2.5" drives) 1x 3.5" (can be equipped with Hot Swap for 1x 2.5" drive)	3x 5.25" (can be equipped with Hot Swap for 1x 3.5" or 4x 2.5" drives) 1x 3.5" (can be equipped with Hot Swap for 1x 2.5" drive)
<b>Power:</b>	700W, 80PLUS Platinum 550W, Hot Swappable, Redundant (optional)	700W, 80PLUS Platinum 550W, Hot Swappable, Redundant (optional)
<b>Cooling:</b>	2x 120mm, 108CFM Front Fans 2x 60mm, 56CFM Rear Fans	2x 120mm, 108CFM Front Fans 2x 60mm, 56CFM Rear Fans
<b>OS Support:</b>	Windows 7 Windows 8.1 Windows 10 Debian 8 CentOS 7 Ubuntu 15.10	Windows 7 Windows 8.1 Windows 10 Debian 8 CentOS 7 Ubuntu 15.10
<b>Dimensions (WxHxD):</b>	483mm x 177mm x 510mm (19" x 3.5" x 20.1")	483mm x 177mm x 510mm (19" x 3.5" x 20.1")
<b>Operating Temperature:</b>	0 to 55°C (-20 to 70°C optional)	0 to 55°C (-20 to 70°C optional)

\* Consult factory for backplane-based options

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