Dell OptiPlex 5055 Tower Owner's Manual

Technical Specifications

ℹ NOTE: Offerings may vary by region. For more information regarding the configuration of your computer in:

- Windows 10, click or tap **Start** ⊞ **> (and then) Settings > (and then)System > (and then)About**.

Table 1. Chipset Specifications

FEATURE	SPECIFICATION
Chipset	AMD B350 Chipset

Processor

Table 2. Processor Specifications

FEATURE	SPECIFICATION
Processor type	- AMD Ryzen 7 PRO 1700 (OC[1]/ L2 Cache: 4 MB / 16T / 3.0 GHz / 65 W) - AMD Ryzen 5 PRO 1500 (QC[2]/ L2 Cache: 2 MB / 8T / 3.5 GHz / 65 W) - AMD Ryzen 3 PRO 1300 (QC[2]/ L2 Cache: 2 MB/4T / 3.5 GHz / 65 W)

- [1] : Octa Core

- [2] : Quad Core

- [3] : Dual Core

ℹ NOTE: Extended Frequency (XFR) in GHz are not supported on OptiPlex 5055.

Memory

Table 3. Memory Specifications

FEATURE	SPECIFICATION
Memory type	DDR4
Memory speed	Up to 2400 MHz
Memory connectors	Four DIMM slots
Memory capacity	Up to 64 GB
Minimum memory	4 GB (2 GB for Linux based OS only)
Maximum memory	64 GB

Video

Table 4. Video Specifications

FEATURE	SPECIFICATION
Integrated	Not available
Optional	1 GB AMD Radeon R5 430 4 GB AMD Radeon R7 450

Audio

Table 5. Audio Specifications

FEATURE	SPECIFICATION
Integrated	Realtek HDA Codec ALC3234

Network

Table 6. Network Specifications

FEATURE	SPECIFICATION
Integrated	BCM5762B0KMLG Broadcom ethernet controller

Expansion bus

Table 7. Expansion Bus Specifications

FEATURE	SPECIFICATION
Bus type	USB 2.0, USB 3.1 Gen 1, SATA 3, and PCIe Gen 3
Bus speed	- USB 2.0 – 480 Mbps - USB 3.1 Gen 1 – 5 Gbps - SATA 3.0 – 6 Gbps - PCIe – - x16 Gen 3 : 8GT/s - x4 Gen 3 : 5GT/s - Two x1 Gen 3 : 1GT/s

Wireless

Table 8. Wireless Cards

FEATURE	SPECIFICATION
WLAN card	- Intel Wireless-AC 8265 2x2 - Intel Wireless-AC 3165 1x1 - Bluetooth 4.1 ⓘ NOTE: For optimal performance, it is recommended to use the wireless display feature with an access point that supports 5 GHz standard.

Drives

Table 9. Drives

FEATURE	SPECIFICATION

FEATURE	SPECIFICATION
Internally accessible	2.5-inch SATA drive bay 3.5-inch SATA drive bay - M.2 SATA and NVMe SSD

External connectors

Table 10. External Connectors Specifications

FEATURE		SPECIFICATION
Audio		
	Front panel Rear panel	- Universal headset - Line out connector
Network adapter		RJ-45 connector
Serial		PS2 and serial connector
USB 2.0		- Front - 2 - Back - 2 - Internal -2
USB 3.1 Gen 1		- Front - 2 - Back - 4 - Internal -0
Video		No onboard video ports, supported with add on PCIe graphics cards

> ℹ **NOTE:** Available video connectors may vary based on the optional graphic board selected.

Controls and lights

Table 11. Controls and lights

FEATURE		SPECIFICATION
Front of the computer		
	Power button light	White light — Solid white light indicates power-on state; slow blinking white light indicates sleep state of the computer.
	Drive activity light	White light — Slow blinking white light indicates that the computer is reading data from or writing data to the hard drive.
Back of the computer		
	Link integrity light on integrated network adapter	Green — A 10 Mbps connection exists between the network and the computer.
		Green — A 100 Mbps connection exists between the network and the computer.
		Orange — A 1000 Mbps connection exists between the network and the computer.

FEATURE		SPECIFICATION
		Off (no light) — The computer is not detecting a physical connection to the network.
	Network activity light on integrated network adapter	Yellow light — A breathing yellow light indicates that network activity is present.
	Power supply diagnostic light	Green light — The power supply is turned On and is functional. The power cable must be connected to the power connector (at the back of the computer) and the electrical outlet.

Power

Table 12. Power Specifications

FEATURE	SPECIFICATION
Wattage	240 W
AC input voltage range	90 – 264 Vac
AC input current (low ac range / high ac range)	4 A/ 2 A
AC input frequency	47 Hz/ 63 Hz
Coin cell battery	3 V CR2032 lithium-coin-cell

Physical dimension

Table 13. Physical dimensions

PHYSICAL	TOWER
Height	35 cm (13.8 inches)
Width	15.4 cm(6.1 inches)
Depth	27.4 cm (10.8 inches)
Weight	7.93 kg (17.49 lbs)

Environmental

Table 14. Environmental Specifications

FEATURE		SPECIFICATION
Temperature range		
	Operating	5 °C to 35 °C (41 °F to 95 °F)
	Non-Operating	−40 °C to 65 °C (−40°F to 149 °F)
Relative humidity (maximum)		
	Operating	20 % to 80 % (non condensing)
	Non-Operating	5 % to 95 % (non condensing)
Maximum vibration		

FEATURE		SPECIFICATION
	Operating	0.66 Grms
	Non-Operating	1.37 Grms
Maximum shock		
	Operating	40 G
	Non-Operating	105 G
Altitude		
	Operating	−15.2 m to 30482000 m (−50 to 10,0006560 ft)
	Non-Operating	−15.20 m to 10,668 m (−50 ft to 35,000 ft)
	Airborne contaminant level	G1 or lower as defined by ANSI/ISA-S71.04-1985