



REDEFINE PRODUCTIVITY WITH INTEL

THE INTEL® Q370 CHIPSET AND 9TH AND 8TH GENERATION INTEL® CORE™ VPRO DESKTOP PROCESSORS

**Supercharge your
business with 9th
and 8th Generation
Intel® Core™ vPro™
desktop processors
and the Intel® Q370
chipset.**

INCREASE YOUR BUSINESS PRODUCTIVITY

The Intel Q370 chipset and 9th and 8th Generation Intel Core vPro processors provide the features to keep your business at the head of the pack. Enhance your workforce's performance with features such as Intel® Turbo Boost Technology 2.0¹ and Intel® Hyper-Threading Technology¹ to give you the edge, exactly when you need it. With Intel Core vPro platforms, your business is equipped with the power to run more smoothly.

SECURITY AND MANAGEABILITY AT YOUR FINGERTIPS

Give your business the power to do more with the Intel Q370 chipset and 9th and 8th Generation Intel Core vPro processors. Ensure your clients have the most up-to-date software and quickly isolate attacks within your business with Intel® AMT Technology¹. IT administrators can manage clients across multiple screens with enhanced hardware-based keyboard, video, and mouse (KVM) remote repair. Unlock your business's potential with the Intel Q370 chipset and 9th and 8th Generation Intel Core vPro processors.

QUICKLY ACCESS YOUR DIGITAL LIFE

FAST PC RESPONSIVENESS AT YOUR COMMAND

The Intel Q370 chipset and 9th and 8th Generation Intel Core vPro processors enable support for Intel® Optane™ memory which speeds up access to your favorite programs and files.² With the fast application response times enabled by Intel Optane memory, you can quickly access your digital life. Experience immersive sound quality via Intel® High Definition Audio and enable your PC to respond to your voice commands with Intel® Smart Sound Technology.¹



UNLEASH YOUR NETWORK PERFORMANCE

Achieve Gigabit wireless connections with 1st generation integrated Intel® Wireless-AC³. The Intel Q370 chipset integrates an Intel wireless 802.11ac and Bluetooth* 5 solution allowing your IT managers to connect up to Gigabit Wi-Fi speeds³ with Intel® Wireless-AC 9560. With no Ethernet cable required, your commercial desktops will be ready for all current and future wireless use cases and has the flexibility to be located in more places within your office.



IMMERSIVE VISUALS WITH INTEL® UHD GRAPHICS

Intel UHD Graphics on 9th and 8th Generation Intel Core processors provide eye-popping 4K UHD resolutions. Experience more immersive visuals with High Dynamic Range (HDR) and Rec. 2020 (Wide Color Gamut) support. Playback your favorite videos with color precision via native true 10-bit graphics output. Watch the latest 4K UHD premium content on your PC from leading online providers.¹ With up to three independent, DisplayPort* and/or HDMI* displays supported with the Intel Q370 chipset, you can enable great productivity throughout your office.

HELPING SECURE THE IT ENVIRONMENT

ENRICH YOUR IT ENVIRONMENT

Intel® vPro™ Technology¹ allows you to remotely configure, diagnose, isolate, and repair an infected PC—even if it is turned off. In addition to helping secure the IT environment, hardware-based KVM Remote Control¹ enables you to address issues remotely by seeing what your clients see. The Intel Q370 chipsets and 9th and 8th Gen Intel Core vPro processors provide you with a smarter business.



INTEL® STABLE IMAGE PLATFORM PROGRAM

Lowering the total cost of ownership by reducing the variety of supported hardware and software greatly simplifies enterprise PC management. The Intel® Stable Image Platform Program (Intel® SIPP) and the Intel Q370 chipset helps you identify and deploy standardized, stable image PC platforms for at least 15 months.

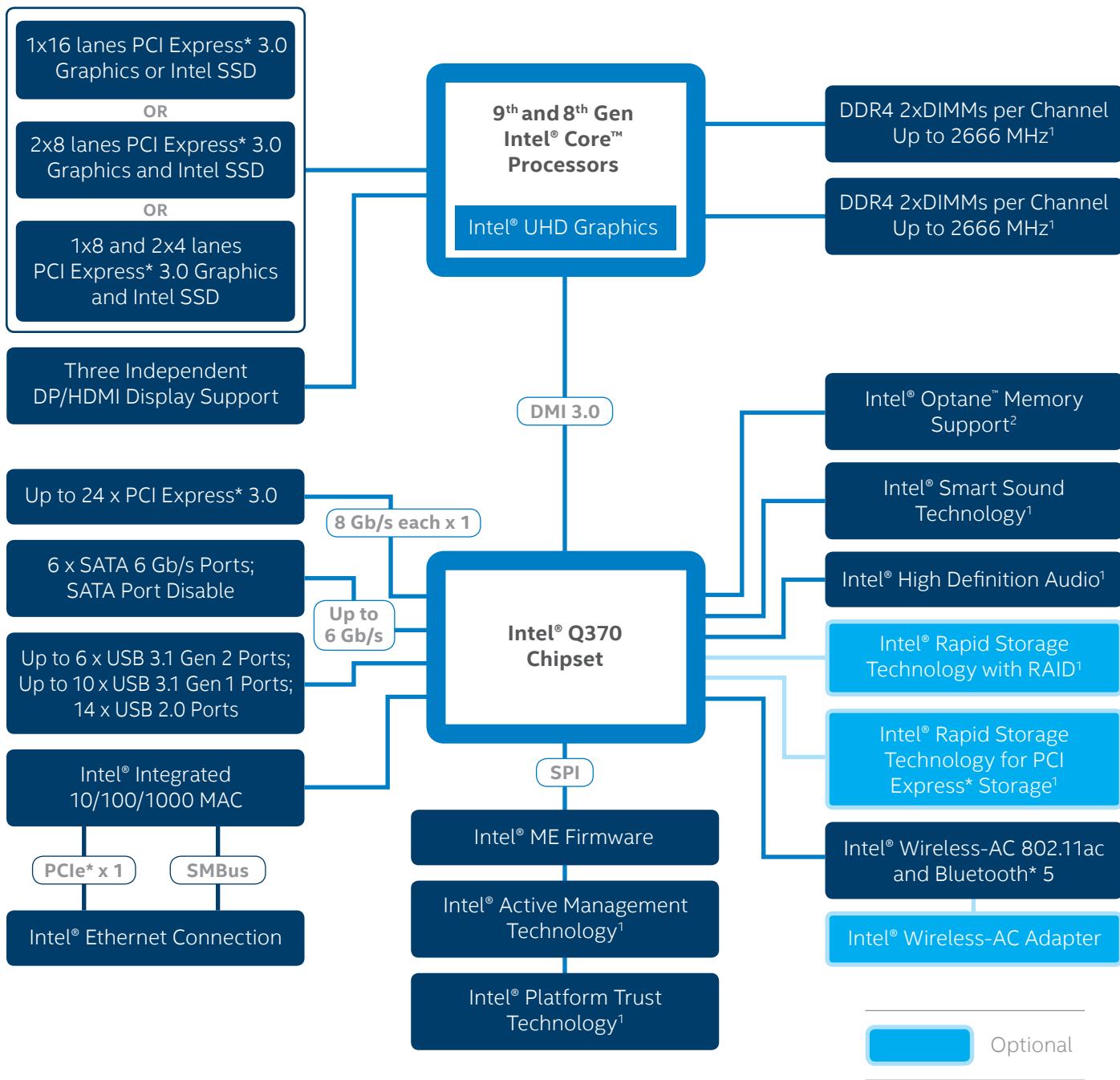
MASSIVE STORAGE CAPABILITIES

Expand your storage capabilities with the Intel Q370 chipset and 9th and 8th Generation Intel Core vPro processors. Boost your media transfer speeds with the integrated USB 3.1 Gen 2 support of the Intel Q370 chipset. Create fast storage volumes and back-up your media and critical information via RAID support with Intel processor and chipset-connected PCI Express* SSDs¹. Expand your storage with up to 6 SATA 6 Gb/s ports. Enable blazingly fast data transfers to your favorite devices with PCI Express* 3.0.

INTEL® Q370 CHIPSET FEATURES AT A GLANCE

FEATURES	BENEFITS
Support for 9th and 8th Generation Intel® Core™ desktop processors	Supports 9th and 8th Generation Intel® Core™ processors, Intel® Pentium® processors, and Intel® Celeron® processors.
Intel® Active Management Technology (Intel® AMT) ¹	Using built-in platform capabilities and popular third-party management and security applications, Intel AMT allows IT to better discover, heal, and protect networks.
Intel® Rapid Storage Technology ¹	With additional SSDs and hard drives added, helps provide quick access to digital photo, video, and data files, and data protection against a hard disk drive failure with RAID 0, 1, 5, and 10.
Intel® Rapid Storage Technology for PCI Express* Storage ¹	Enables Intel® Rapid Storage Technology features such as RAID 0, 1, and 5 with Intel PCI Express*-based NVMe SSDs connected via Intel processors and/or the Intel Q370 chipset
Intel® Optane™ Memory Support ²	Provides performance improvements as well as fast app response times for system acceleration and responsiveness when paired with an Intel Optane memory module.
Intel® Wireless-AC Support	Integrated Intel wireless 802.11ac and Bluetooth* 5 solution allowing you to connect up to Gigabit Wi-Fi speeds ³ with Intel® Wireless-AC 9560.
Intel® Smart Sound Technology ¹	Integrated digital signal processor (DSP) for audio offload and audio/voice features.
Intel® High Definition Audio ¹	Integrated audio support enables premium digital surround sound and delivers advanced features such as multiple audio streams and jack re-tasking.
USB 3.1 Gen 2	Integrated USB 3.1 Gen 2 support provides data transfer performance with a design data rate of up to 10 Gb/s.
USB 3.1 Gen 1	Integrated USB 3.1 Gen 1 support provides data transfer performance with a design data rate of up to 5 Gb/s.
USB 2.0	High-Speed USB 2.0 support with a design data rate of up to 480 Mb/s.
USB Port Disable	Enables individual USB ports to be enabled or disabled as needed. This feature helps provide added protection of data by preventing malicious removal or insertion of data through USB ports.
Serial ATA (SATA) 6 Gb/s	High-speed storage interface supporting up to 6 Gb/s transfer rates for optimal data access.
SATA Port Disable	Enables individual SATA ports to be enabled or disabled as needed. This feature helps provide added protection of data by preventing malicious removal or insertion of data through SATA ports.
Intel® Platform Trust Technology ¹	Integrated chipset hardware and firmware solution that delivers a trusted element of the platform execution to provide enhanced security by verifying the boot portion of the boot sequence which helps protect against viruses and malicious SW attacks.
PCI Express 3.0 Interface	Offers up to 8 GT/s for fast access to peripheral devices and networking with up to 24 PCI Express 3.0 lanes, configurable as x1, x2, and x4 depending on desktop motherboard designs.
9th and 8th Generation Intel® Core™ processor PCI Express 3.0 Interface	Intel® Q370 chipset-based platforms enable the processor PCI Express 3.0 lanes to be configurable as 1x16, 2x8, or 1x8 and 2x4 depending on desktop motherboard designs.
Intel® Integrated 10/100/1000 MAC	Support for the Intel® Ethernet Connection I219-LM.

INTEL® Q370 CHIPSET BLOCK DIAGRAM



1 Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at www.intel.com.

2 Intel® Optane memory requires specific hardware and software configuration. Visit www.intel.com/OptaneMemory for configuration requirements.

3 Gigabit WiFi speeds based on IEEE theoretical maximum bandwidth enabled by 2x2 802.11ac 160MHz (1.733Mbps) and requires the use of similarly configured router.

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