

GLOSSARY OF TECHNICAL TERMS

This glossary of technical terms contains explanations of certain technical terms used in this Document. As such, these terms and their meanings may not correspond to standard industry meanings or usage of these terms.

“8K”/“16K”	display resolution standards with a horizontal resolution of approximately 8,000 pixels and 16,000 pixels, respectively
“5th generation mobile networks” or “5G”	a global standard and technology for wireless and telecommunications networks
“AAA games”	a classification used within the video gaming industry to signify high-budget, high-profile games produced and distributed by major publishers, typically requiring high-performance hardware
“AI”	artificial intelligence
“Amazon”	Amazon.com, Inc. and its subsidiaries
“application programming interface” or “API”	a set of rules and protocols that allows different software systems, applications, or services to communicate and interact with each other
“Artificial Intelligence of Things” or “AIoT”	the combination of AI technologies and the internet of things infrastructure
“CarPlay [®] in-vehicle system” or “CarPlay [®] ”	a proprietary standard developed by Apple Inc. that enables an iPhone [®] to be connected to a car’s infotainment system
“digital visual interface” or “DVI”	a video display interface standard used to connect a video source to a display device, such as a computer monitor. It is designed to transmit uncompressed digital video data and can support both digital and analog signals
“DisplayPort” or “DP”	a digital display interface developed by a consortium of PC and chip manufacturers and standardized by the Video Electronics Standards Association
“external graphics processing unit” or “eGPU”	a graphics card mounted outside of the computer system, typically used to boost the graphical performance of laptops
“gallium nitride” or “GaN”	a wide-bandgap semiconductor material that allows for devices to operate at higher voltages, frequencies and temperatures than silicon, enabling smaller and higher efficiency chargers

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“graphics processing unit” or “GPU”	a specialized electronic circuit designed to manipulate and alter memory to accelerate the creation of images in a frame buffer intended for output to a display device
“Great Bay Area” or “GBA”	a city cluster consisting of Hong Kong, Macao and nine cities in Guangdong Province
“high-definition multimedia interface” or “HDMI”	a proprietary audio/video interface for transmitting uncompressed video data and compressed or uncompressed digital audio data
“international organization for standardization” or “ISO”	a non-governmental organization based in Geneva, Switzerland, for assessing the quality systems of business organizations
“Internet of Things” or “IoT”	a network of interconnected devices capable of communication and data exchange, enabling integrated smart home and wearable applications
“internet protocol camera” or “IPC”	a type of digital video camera that receives control data and sends image data via an IP network (such as a LAN or the internet)
“MFi program”	Apple Inc.’s licensing programme that certifies third party accessories for compatibility with Apple devices and associated communication protocols
“milliampere-hour” or “mAh”	a unit of electrical charge commonly used to measure the capacity of a battery
“network attached storage” or “NAS”	a file-level computer data storage server connected to a computer network providing data access to a heterogeneous group of clients
“neural processing unit” or “NPU”	a specialized circuit designed to accelerate the processing of artificial intelligence and machine learning applications
“optical copper link” or “OCuLink”	a high-speed interface standard used primarily to connect eGPUs to computers
“PD”	a fast charging specification handling higher power and allowing a range of devices to charge quickly over a USB connection
“Qi2”	the latest open wireless charging standard developed by the Wireless Power Consortium
“RAID”	redundant array of independent disks, a data storage technology that combines multiple physical drives into a single system to improve data redundancy and performance
“solid-state drive” or “SSD”	a storage device containing non-volatile flash memory

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“stock keeping unit” or “SKU”	a unique identifier for each distinct product or service that can be offered for sale
“UGOS” and “UGOS Pro”	both are our self-developed operating systems for NAS products
“universal serial bus” or “USB”	an industry standard that establishes specifications for cables, connectors and protocols for connection, communication and power supply
“video graphics array” or “VGA”	an analog computer display standard used to transmit video signals from a source device (such as a computer) to a display device (such as a monitor or projector)
“watt” or “W”	a unit of power
“watt-hour” or “Wh”	a unit of energy equivalent to one watt of power expended for one hour