

GLOSSARY OF TECHNICAL TERMS

In this document, unless the context otherwise requires, explanations and definitions of certain terms used in this document in connection with our Company and our business shall have the meanings set out below. The terms and their meanings may not always correspond to standard industry meaning or usage of these terms.

Term	Explanation
"ADC"	analog-to-digital converter, a converter that changes analog signals into digital data
"agentic AI"	AI systems designed to act autonomously and pursue objectives on behalf of users. These systems can make decisions, initiate actions and adapt to changing environments without direct or continuous human intervention
"AIoT"	artificial intelligence of things, the combination of the connectivity from the IoT infrastructure with data-driven knowledge obtained from AI to achieve more efficient IoT operations, improve human-machine interactions and enhance data management and analytics
"AP"	access point
"Bluetooth"	a short-range wireless technology standard for data exchange between fixed and mobile devices over short distances
"CAGR"	compound annual growth rate
"codec"	a computer hardware or software component that encodes or decodes a data stream or signal
"CPU"	central processing unit, a mass integrated circuit that serves as the computational and controlling core of electronic devices
"DDR"	double data rate, a memory technology used to double the data transfer rate by transmitting data on both the rising and falling edges of the clock signals
"DSP"	digital signal processor, a specialized microprocessor chip, with its architecture optimized for the operational needs of digital signal processing

GLOSSARY OF TECHNICAL TERMS

“edge-AI”	AI algorithms processed locally on hardware devices instead of in centralized data centers
“fabless”	IC design companies that focus solely on IC research, development and sales, while outsourcing wafer fabrication, packaging and testing to specialized foundries and service providers; the term is sometimes also used to refer to this business model
“FPGA”	field-programmable gate array, a type of IC that allows users to configure and reprogram its internal hardware logic after manufacturing using software tools
“FHD”	full high definition
“foundry”	a manufacturer specializing in the production and manufacture of chips in the field of integrated circuits
“FTTH”	fiber-to-the-home
“FTTR”	fiber-to-the-room
“GHz”	gigahertz, a unit of frequency
“GPON”	gigabit passive optical network
“GPU”	a specialized processor primarily designed for rapid rendering of images and video, which is now widely used for parallel processing tasks in scientific computing, AI, and cloud machine learning
“HD”	high definition
“HDMI”	high-definition multimedia interface
“HDR”	high dynamic range
“Hz”	hertz, a measurement of frequency
“IC”	integrated circuit, a small unit or package which is made as a single indivisible structure (such as a chip) and is electrically equivalent to a conventional circuit of many separate components

GLOSSARY OF TECHNICAL TERMS

“INT8”	integer8, a data type in computer science that is often used as the computational precision to test the computing power of chips
“IPTV”	internet protocol television is the delivery of television content over internet protocol networks
“ISP”	image signal processor, a type of media processor or specialized digital signal processor used for image processing
“LAN”	local area network
“large language model”	a type of machine learning model trained on extensive datasets to understand and generate human-like content
“LTE”	long-term evolution
“MEMC”	motion estimation and motion compensation, a video processing technology to improve the clarity of fast-moving images
“MHz”	megahertz, a unit of frequency equal to one million cycles per second
“nm”	nanometer
“NPU”	neural processing unit, a specialized hardware accelerator designed to handle complex computations required for AI and machine learning
“OEM”	original equipment manufacturer
“OLED”	organic light-emitting diode
“OLT”	optical line terminal
“OTT”	a means of providing television and film content over the internet at the request and to suit the requirements of the individual consumer
“PCI express”	peripheral component interconnect express, serving as interconnecting ports from processors or chipsets.
“PON”	passive optical network

GLOSSARY OF TECHNICAL TERMS

“PQ”	picture quality
“QHD”	quad high definition
“RF”	radio frequency
“SerDes”	Serializer/Deserializer, an IC or a pair of ICs used in highspeed communication to convert parallel data into a serial stream for transmission and then back into parallel data at the receiving end
“SoC”	system on chip, an application-specific IC that contains a complete system, including all necessary hardware and embedded software components, integrated onto a single chip
“SR”	super resolution
”tape-out”	the final stage in the design process of an IC, where the completed digital design is sent for manufacturing
“TOPS”	tera operations per second, a measurement of the overall performance of a supercomputer or a high-end circuit board containing multiple processors or SoCs
“UHD”	ultra high definition
“USB”	universal serial bus, an industry standard that allows data exchange and delivery of power between many various types of electronics
“VCD”	Video Compact Disc, an early digital format
“VESA”	Video Electronics Standards Association
“Wafer”	a circular substrate made of a semiconductor material, most commonly silicon, and used in the manufacturing of ICs, where various circuit structures can be fabricated to produce IC products with specific electrical functions
“WAN”	wide area network
“WLAN”	wireless local area networks