GLOSSARY OF TECHNICAL TERMS

This glossary contains definitions of certain terms used in this document in connection with our Company and our business. Some of these may not correspond to standard industry definitions.

3C	computers, communications and consumer electronics
AI	artificial intelligence, the science of researching and developing theories, methods, technologies, and application systems that simulate and extend human intelligence
Annual Singles' Day shopping festival	the annual online shopping promotion event in mainland China on November 11
app	a computer program designed to run on smartphones and other mobile devices
beta testing	the second and usually last phase of software or hardware testing in which a sampling of the intended audience test the product for its performance in real world exposure
big data	large and diverse data sets able to uncover hidden patterns, unknown correlations, market trends, customer preferences and other useful information assets under new processing model for greater decision-making power, insight and processing optimization capabilities
bokeh effect	in photography, refers to the aesthetic quality of the blur produced in the out-of-focus parts of an image
cloud-based system	system of applications, services or resources made available to users on demand via internet from a cloud computing provider's server
CADR	clean air delivery rate, the rate to measure the volume of filtered air delivered by an air cleaner, in cubic feet per minute
DRAM	dynamic random access memory, a type of random access memory that stores each bit of data on a separate capacitor
GMV	gross merchandise volume, the total value of merchandise sold in a specified market or through a specified platform during a given period
IaaS	Infrastructure as a service, a standardized, highly automated offering, where compute resources, combined with networking and storage capabilities are owned and hosted by a service provider and offered to customers on-demand

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IoT	internet of things, the network of physical devices with information-sensing capabilities such as two-dimensional code reading, radio frequency identification (RFID), infrared sensors, global positioning systems and laser scanners to realize intelligent identification, positioning, tracking, monitoring and management
IP	intellectual property
ICP license	value-added telecommunications service operating license for internet information services
ISMS	information security management system, our proprietary information security system designed to protect user information
LDS	laser distance sensor, sensor with laser technology for non-contact distance measurement
LED display	a flat panel display using an array of light-emitting diodes as pixels for a video display
MAU	monthly active users, the number of devices that activate the app or operating system at least once during a given calendar month and, in the context of MIUI forum, refers to the number of registered users logging in our MIUI forum at least once during a given calendar month;
	when calculating MAU, for MIUI, the number of days in a given month is a variable depending on the number of days in the particular calendar month; and in all other contexts, the number of days in a month is set at 30
NAND	NAND flash memory, a type of non-volatile storage technology that does not require power in order to retain data
OLED display	organic light emitting diodes display utilizing flat light emitting technology to reduce the thickness and weight of the display
PaaS	Platform as a service, a category of cloud computing services that provides a platform allowing customers to develop, run, and manage apps without the complexity of building and maintaining the infrastructure typically associated with developing and launching an app
PB	petabyte, a multiple of the unit byte for digital information with 1 petabyte equal to 10^{15} bytes
RO	reverse osmosis, a water purification technology that uses a semipermeable membrane to remove ions, molecules and large particles from drinking water
SKU	stock keeping unit

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SLAM	simultaneous localization and mapping, a computational algorithm of constructing or updating a map of an unknown environment while simultaneously keeping track of an agent's location within it
System-on-Chip (SoC)	a circuit that integrates all components of a computer or other electronic systems