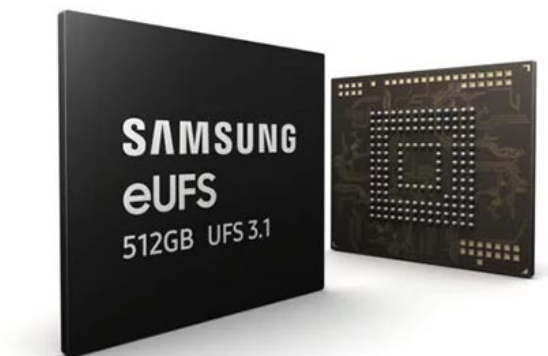


Samsung began mass-producing the world's 'fastest memory' for smartphones

Samsung today announced it has begun to start mass production of 512GB eUFS 3.1 storage chips.

Despite the complicated situation of the Covid-19 epidemic, Samsung today announced it has begun to start mass production of 512GB eUFS 3.1 storage chips, ready to be equipped on the first smartphones. Table debut in the near future. In particular, the Korean manufacturer claims this will be the fastest data storage solution in the smartphone industry to date. Compared to the current eUFS 3.0 storage chip, Samsung's new eUFS 3.1 version can provide 3 times faster data write speed - extremely impressive.

More specifically, according to Samsung calculations, eUFS 3.1 storage chip owns a sequential write speed of over 1,200MB / s. Its random performance is up to 60% faster than the UFS 3.0 storage chip used in today's top smartphone models. Another advantage of the eUFS 3.1 memory chip lies in its ability to transfer data faster to smartphones than solid-state drives (SSDs) or MicroSD memory cards, with sequential write speeds up to 2 times faster than SATA hard drives (540MB / s) and 10 times more than UHS-I memory cards (90MB / s), along with random read / write speeds are 100,000 IOPS and 70,000 IOPS respectively.



With all these advantages, Samsung confidently asserts that smartphones with eUFS 3.1 chip can transmit 100GB of data in about 1.5 minutes, while with UFS 3.0 chip will need more than 4 minutes for data volume equivalent. The fast speed and large capacity make eUFS 3.1 the first choice with 8k camcorder smartphones expected to gradually become popular in the future, whose flagship product is the Galaxy S20.

In addition to the 512GB version, Samsung's eUFS 3.1 will also have 256GB and 128GB variants, which are expected to launch later this year.

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