

FORESEE®



EPLUS microSD Cards

Read-intensive and lower power consumption solutions

Serving Applications



Electronic learning



Portable audio



Handy terminal



Wearable smart devices



Android™ devices



IP camera



Dash camera

This version is to be updated on August 25, 2022. Actual conditions are subject to the Longsys website.

Lower power consumption

Portable Electronic Devices are getting more and more attentions, which develops towards the trend of miniaturization and low power consumption.

To support such battery-powered devices, FORESEE EPLUS microSD is specially designed for lowering power consumption to ensure device longer duration of use.

Highlights

- Broad portfolio: 8GB / 16GB / 32GB¹
- Ultra-fast read response
- Lower power consumption²
- Load apps faster with A1-rated performance³
- Durable design: water proof, shock proof, X-ray proof and magnet proof
- Class 10 for Full HD video recording⁴
- Operating Temp Range: -25°C~85°C
- Operating voltage: 2.7V~3.6V
- Read refresh function

A new solution to read-intensive applications

FORESEE EPLUS microSD provides an ultra-fast read responsive solution for read-intensive applications, which can effectively avoid choppy video or audio playback, sound interruptions, etc.

Commercial application scenarios

With capacities from 8GB to 32GB, the card can be used as storage of different commercial applications such as electronic learning, portable audio, IP camera, handy terminal, wearable smart devices, Android™ devices, etc.

FORESEE EPLUS microSD Card Specifications

Form Factor	microSDHC
Part Number	8GB: FC5NC1008G-E 16GB: FC5NC1016G-E 32GB: FC5NC1032G-E
SD Spec	SD6.1
Interface	8GB / 16GB: UHS-I (SDR50) 32GB: UHS-I (SDR104)
Operating Voltage	2.7V-3.6V
Performance⁵	C10, U1, V10, A1 8GB / 16GB: Up to 45MB/s read speed; write speed lower 32GB: Up to 90MB/s read speed; write speed lower
Dimensions	15mm x 11mm x 1mm
Compatibility	Compatible with microSDHC and microSDXC supporting host devices
Operating Temperature	-25°C-85°C
Storage Temperature	-40°C-85°C

1.1GB=1,000,000,000 bytes. Actual user storage less.

2.Power consumption of the card may vary depending on different test conditions or devices.

3.A1 performance is 1500 read IOPS, 500 write IOPS. Based on internal testing. Results may vary based on host device, app type and other factors.

4.Compatible device required. Full HD (1920x1080) support may vary based upon host device, file attributes and other factors.

5.Based on internal testing; performance may be lower depending on host device, usage and other factors. 1MB=1,000,000 bytes
microSD, microSDHC and microSDXC Logos are trademarks of SD-3C LLC.



Longsys Electronics Co.,Ltd.

E-mail: FORESEE@longsys.com

Website: www.longsys.com

Facebook: Longsys Electronics

LinkedIn: Longsys Electronics

Twitter: FORESEE