

Industrial SD

| Model | | ISDD336 | ISDD361 | IDC3B | IUDD336 | IDU3A |
|--------------------------|------------|--|--|--|--|---|
| Interface | | SD 3.0 Compliance | SD 2.0/3.0 | SD 3.0 Compliance | SD 3.0 Compliance | SD 3.0 Compliance |
| Capacity | | 16GB~128GB | 256MB~16GB | 16GB~128GB | 16GB~32GB | 16GB~32GB |
| Operating Voltage | | 3.3V ± 5% | 3.3V ± 5% | 3.3V ± 5% | 3.3V ± 5% | 3.3V ± 5% |
| Flash Type | | 3D MLC | SLC | MLC | 3D MLC | MLC |
| Sequential Read (max.) | | 95MB/s | SD 2.0: 20MB/s, SD 3.0: 90MB/s | 80MB/s | 95MB/s | 70MB/s |
| Sequential Write (max.) | | 90MB/s | SD 2.0: 16MB/s, SD 3.0: 60MB/s | 60MB/s | 90MB/s | 30MB/s |
| Data Transfer Mode | | SD2.0/3.0 | SD2.0/3.0 | SD 1.1/2.0/3.0 | SD2.0/3.0 | SD 1.1/2.0/3.0 |
| Operating Temperature | Commercial | -25°C to +85°C | — | -25°C to +85°C | -25°C to +85°C | -25°C to +85°C |
| | Industrial | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C |
| Operating Humidity | | 0°C to +55°C 5%~95% RH non-condensing | 0°C to +55°C 5%~95% RH non-condensing | 0°C to +55°C 5%~95% RH non-condensing | 0°C to +55°C 5%~95% RH non-condensing | 0°C to +55°C 5%~95% RH non-condensing |
| Power Consumption (max.) | | 0.95W | 0.6W | 0.95W | 0.5W | 0.5W |
| MTBF | | >1,000,000 hrs | >2,000,000 hrs | >1,000,000 hrs | >1,000,000 hrs | >1,000,000 hrs |
| Vibration Resistance | | 20G (20~2000Hz) | 30G (10~2000Hz) | 20G (20~2000Hz) | 20G (20~2000Hz) | 20G (20~2000Hz) |
| Shock Resistance | | 1500G/0.5ms, Half Sine Wave | 1500G/0.5ms, Half Sine Wave | 1500G/0.5ms, Half Sine Wave | 1500G/0.5ms, Half Sine Wave | 1500G/0.5ms, Half Sine Wave |
| Dimensions (L x W x H) | | 32 x 24 x 2.1mm | 32 x 24 x 2.1mm | 32 x 24 x 2.1mm | 11 x 15 x 1mm | 11 x 15 x 1mm |
| S.M.A.R.T. | | Supported | Supported | Supported | Supported | Supported |
| Features | | <ul style="list-style-type: none"> Compliant with SD 3.0 specifications Supports SD and SPI modes Applicable for dual host voltage (3.3V) Error Correcting Code (ECC) Wear Leveling function H/W Power Detector and Flash Protection | <ul style="list-style-type: none"> Compliant with SD 1.1/2.0 /3.0 specifications Applicable for dual host voltage (3.3V) BCH (ECC) engine Configurable ECC up to 24-bits(256MB~512MB)/ 40-bits(1GB~32GB) Support Error Correcting Code (ECC) Enhanced ESD design Wear Leveling function | <ul style="list-style-type: none"> Compliant with SD 3.0 specifications Supports SD and SPI modes Applicable for dual host voltage (3.3V) Error Correcting Code (ECC) Wear Leveling function H/W Power Detector and Flash Protection | <ul style="list-style-type: none"> Compliant with SD 3.0 specifications Supports SD and SPI modes Applicable for dual host voltage (3.3V) Error Correcting Code (ECC) Wear Leveling function H/W Power Detector and Flash Protection | <ul style="list-style-type: none"> Compliant with SD 3.0 specifications Supports SD and SPI modes Supports Auto Standby and Sleep Mode Flash Management Error Correcting Code (ECC) Wear Leveling function H/W Power Detector and Flash Protection |
| Applications | | GPS, Handheld Device, Video Recorder, High-end Digital Camera, Road Monitoring System | GPS, Handheld Device, Video Recorder, High-end Digital Camera, Road Monitoring System | GPS, Handheld Device, Video Recorder, High-end Digital Camera, Road Monitoring System | GPS, Handheld Device, Smartphone, Mobile Computer | GPS, Handheld Device, Smartphone, Mobile Computer |