

## ■ Premium Pro MicroSD Card



About four times smaller than the average SD card, the MicroSD card is primarily used with mobile handsets, the Premium Pro Micro SD Card also is supported by a variety of hand-held GPS devices, portable audio players, video game consoles and expandable USB flash memory drives.

### Features

- Great for Automobile Applications
- Up to 90MB/s read and 85MB/s write
- UHS-I Speed Class 3 (U3)
- Impressive U3 speeds for fast action photos or 4K video recording
- Water, temperature, shock and X-ray proof
- Backwards compatible with SD enable devices
- Built-in write protection features

### Physical Specifications

Capacity	16GB, 32GB, 64GB, 128 GB, 256 GB
microSD Dimensions	11 x 15 x 1mm
SD Adapter Dimensions	24 x 32 x 2.1mm
Visual Inspection/Shape and Form	No warp age; no mold slim; complete form; no cavities; surface smoothness $\leq -0.1\text{mm}/\text{cm}^2$ within contour; no cracks; no pollution (oil, dust, etc.)
Voltage	3.3V

### Environmental Specifications

Operating Temperature	-25 to 85°C
Storage Temperature	-40 to 85°C
Moisture and corrosion	Operating: 25°C / 95% rel. humidity Non-Operating: 40°C / 93% rel. hum./500h
Salt water spray	3% NaCl/35C; 24h acc. MIL STD Method 1009

### Performance Specifications

Seq. Read (max)	90MB/sec
Seq. Write (max)	85MB/sec

### Endurance Specifications

Durability	10,000 mating cycles
Bending	10N
Torque	0.10N*m. $\pm 2.5^\circ$ max
Drop Test	1.5m free fall

### Ordering Information

Capacity	Part Number
16GB	MSD16STU1A
32GB	MSD32STU3A
64GB	MSD64STU3A
128GB	MSD28STU3A
256GB	MSD56STU3A