

Apacer

The Most **Reliable**
Storage For Industries



Industrial SD



Industrial SD

Overview

The Apacer industrial SD featured with high reliability and resistance to extended temperatures is widely applied to industrial, military, communication, surveillance, medical devices and car navigation, thereby satisfying the storage need of demanding industrial enterprises.

Compliant with Ver. 2.0 standard and SDHC Class 10 high-speed transmission standard as defined by the SD Association, Apacer ISD also supports SD and SPI modes. By using the superbly reliable SLC chip, it not only delivers the features of anti-shock, anti-vibration and low power consumption, but also boasts resistance to extended temperatures (-40°C to 85°C). Available in capacities from 256 MB to 32 GB, and with its last but not the least advantage of automatic standby and sleep modes help save power more effectively.



Feature

- Industrial Grade SD card
- S.M.A.R.T supported
- Wear-Leveling and Block Management
- Auto Standby and Sleep Mode Support
- Golden finger 30u"

Specifications

Model	Industrial SD
Interface	SD2.0
Form Factor	SD
NAND Flash Type	SLC
Capacity	SD:256MB~2GB;SDHC:4GB~32GB
Sustained Read Performance (MB/sec)	Up to 23
Sustained Write Performance (MB/sec)	Up to 17
ECC Engine	Built-in 24-bit per 1K bytes BCH ECC
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
Shock	(Operating) 1,000G, 0.5ms
Vibration	10Hz~50Hz/3mm (frequency/displacement) 50Hz~2,000Hz/15G (frequency/accelerate)
Operating Voltage	3.3 V ± 5%
Power Consumption	Active mode: 55 mA & Idle mode: 105 mA
Dimension (L x W x H)	32x24x2.1 (mm)
MTBF (hours)	>2,000,000

For more information, contact your Apacer representative

Global Presence

Taiwan (Headquarters)
Apacer Technology Inc.
Tel: +886-2-2267-8000
Fax: +886-2-2267-2261

Europe
Apacer Technology B.V.
Tel: +31-40-267-0000
Fax: +31-40-290-0686

U.S.A.
Apacer Memory America, Inc.
Tel: +1-408-518-8699
Fax: 1-510-249-9551

China
Apacer Electronic(Shanghai)
Co., Ltd.
Tel: +86-21-6228-9939

Japan
Apacer Technology Corp.
Tel: +81-3-5419-2668
Fax: +81-3-5419-0018

India
Apacer Technologies Pvt. Ltd.
Tel: +91-80-41529061~3
Fax: +91-80-41700215