

# 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

<b>Model</b>	Industrial SD
<b>Interface</b>	SD2.0
<b>Form Factor</b>	SD
<b>NAND Flash Type</b>	SLC
<b>Capacity</b>	SD:256MB~2GB;SDHC:4GB~32GB
<b>Sustained Read Performance (MB/sec)</b>	Up to 23
<b>Sustained Write Performance (MB/sec)</b>	Up to 17
<b>ECC Engine</b>	Built-in 24-bit per 1K bytes BCH ECC
<b>Standard Operating Temperature ( °C )</b>	0 ~ + 70
<b>Extended Operating Temperature ( °C )</b>	-40 ~ + 85
<b>Storage Temperature ( °C )</b>	-40 ~ + 100
<b>Shock</b>	1,500G, 0.5ms
<b>Vibration</b>	10Hz~50Hz/3mm (frequency/displacement) 50Hz~2,000Hz/15G (frequency/accelerate)
<b>Operating Voltage</b>	2.7V ~3.6V
<b>Power Consumption</b>	Active mode: 55 mA & Idle mode: 105 mA
<b>Dimension (L x W x H)</b>	32x24x2.1 (mm)
<b>MTBF (hours)</b>	>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