

Apacer

The Most **Reliable**
Storage For Industries

CV110-SD



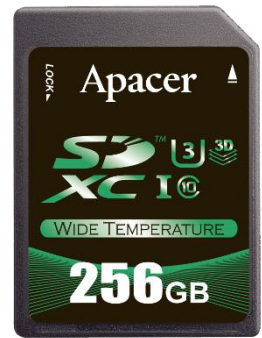
CV110-SD

Overview

Apacer SD CV110-SD is compatible with the SD card version 6.1. The command list supports [Physical Layer Specification Ver6.10 Final] definitions. Card Capacity of Non-secure Area, Secure Area Supports [Part 3 Security Specification Ver4.00 Final] Specifications.

The SD 6.1 card comes with 9-pin interface designed to operate at a maximum operating frequency of 208MHz. It can alternate communication protocol between the SD mode and SPI mode. It performs data error detection and correction with very low power consumption. It supports capacity up to 256GB with exFAT SDXC.

Apacer SD CV110-SD Secure Digital 4.0 card with high performance, good reliability and wide compatibility is nowadays one of the most popular cards well adapted for hand-held applications with customized firmware techniques in semi-industrial/medical markets already.



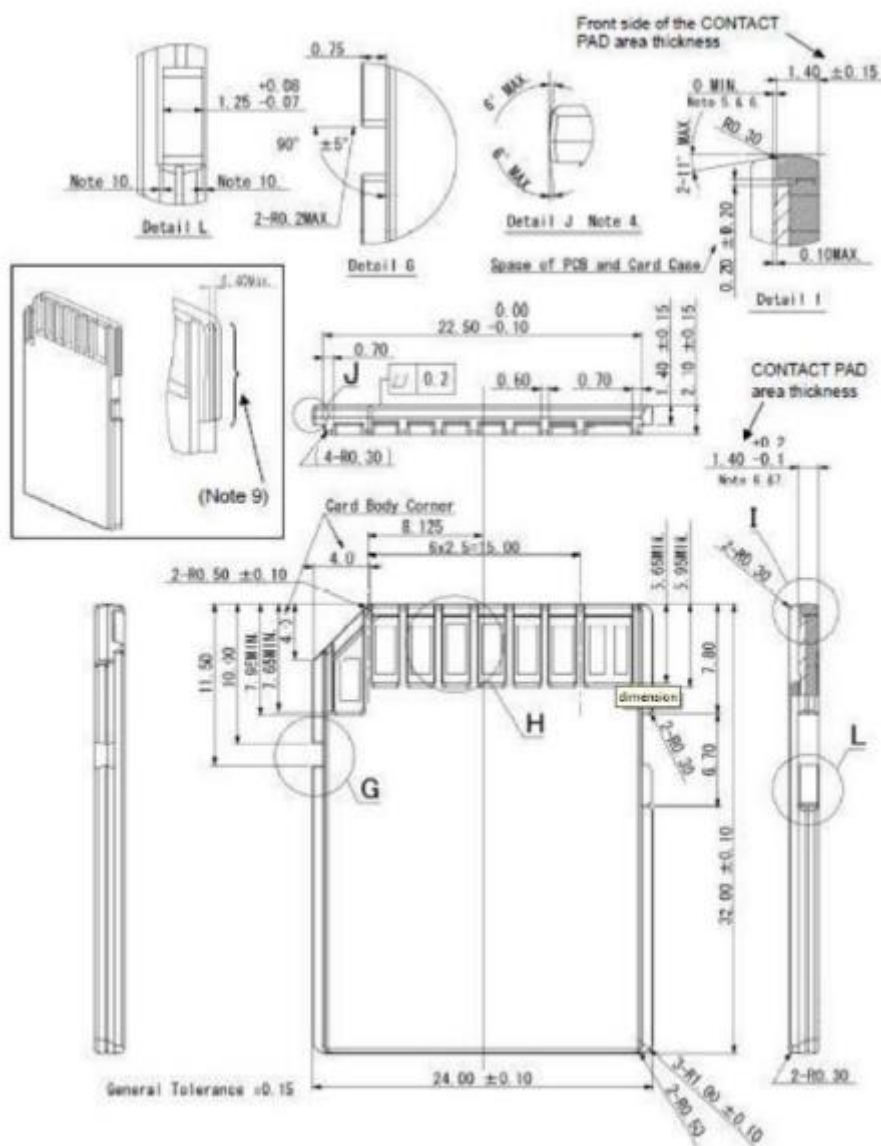
Feature

- Compliant with SD 4.0 Specification
- S.M.A.R.T supported
- Wear-Leveling and Block Management
- Support Class 10 with UHS-I
- Low Power Consumption
- Wide Temperature Support(Optional)
- DataRAID™
- SMART Read Refresh™

Specifications

Model	CV110-SD
Interface	SD4.0
Connector	—
Form Factor	SDHC/SDXC
NAND Flash Type	3D TLC
Capacity	SDHC:32GB~256GB
Sustained Read Performance (MB/sec)	Up to 90
Sustained Write Performance (MB/sec)	Up to 34
ECC Engine	Built-in advanced ECC algorithm
IOPS (4K Random Write)	1300
Standard Operating Temperature (°C)	-25 ~ + 85
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 85
Shock	1,500G, 0.5ms
Vibration	20Hz~80Hz/1.52mm (frequency/displacement) 80Hz~2,000Hz/20G (frequency/accelerate)
Operating Voltage	2.7V ~ 3.6V
Power Consumption	Active mode: 105 mA & Idle mode: 185 uA
Dimension (L x W x H)	32 (L) x 24 (W) x 2.1(H) (mm)
MTBF (hours)	>3,000,000

Mechanical Specification



Unit: mm

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