# SC Series

## microSD/SDHC Memory Card, Industrial SLC Model

■ **Product Outline**

SC series are microSD/SDHC memory cards adopting built-in industrial type SLC NAND flash memory and is suitable for industrial applications where frequent writes are required. They are adequate for the applications, where large data load are written, such as measurement equipment （hand held terminals, seismic sensors, factory automation, data loggers and meters). They are formatted complying with SD card specification.

■ **Product Specification** (Specifications and appearances may be changed without notice.)
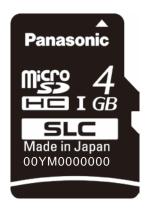
| | | 1GB | 2GB | 4GB | 8GB |
|---|---|---|---|---|---|
| Appearance | | | | | |
| Part Number | | RP-SMSC01DA1 | RP-SMSC02DA1 | RP-SMSC04DA1 | RP-SMSC08DA1 |
| Capacity | Available user data area capacity *1) | 972,750,848 byte | 1,981,480,960 byte | 3,971,973,120 byte | 7,960,756,224 byte |
| Compliant Specification | SD Physical Specification | Ver. 3.01 | | Ver. 4.20 | |
| | SD Speed Class | CLASS 6 | | CLASS 10 | |
| | UHS Speed Grade | --- | | 3 | |
| | Speed mode | Default Speed High Speed | | Default Speed, High Speed, SDR12, SDR25, SDR50, DDR50, SDR104 *2) | |
| Read/Write Performance (up to) | Read | 22MB/s (High Speed) | | 90MB/s (SDR104) *2) | |
| | Write | 20MB/s (High Speed) | | 40MB/s (SDR104) *2) | |
| Absolute Maximum Ratings | Supply Voltage | Min : -0.3 V ; Max : +4.6 V | | | |
| | Input Voltage | Min : -0.3 V ; Max : VDD +0.3 V | | | |
| | Output Voltage | Min : -0.3 V ; Max : VDD +0.3 V | | | |
| | Output Current | Min : -24 mA ; Max : +24 mA | | | |
| Environmental Specification | Operating Temperature | -40 degree C to +85 degree C | | | |
| | Storage Temperature | -40 degree C to +85 degree C | | | |
| | Humidity | 5 % RH to 95 % RH | | | |
| | Vibration | 15 Gp-p | | | |
| | Shock | 1,000 G | | | |
| | Mating Cycles | 10,000 cycles | | | |

*1) Free area capacity after formatted.
*2) SDR104 mode is not supported when using microSD adapter.

- Absolute Maximum Ratings are the values of limitation, which do not damage the card. Those values do not define the operational range.
- Products comply with EU RoHS directives.

(2018.06.14)

## ■ Marking Specification ( example : 4GB )

| | |
|---|---|
| "4GB" | Card Capacity |
| "Made in Japan" | Country of origin |
| | |
| "00YM0000000" | Serial Number |
| Y | Last digit of Manufacture year |
| M | Manufacture month (Jan->A, Feb->B, ...) |

## ■ System Reliability

a. Powerful error detect and corrective function
b. Static wear leveling
c. Data recovery at power failure in writing
d. Automatic refresh function to prevent uncorrectable error
e. Bad block management

## ■ Notice and Caution

If you think about the usage for which special quality or reliability of the products is needed and failure or malfunction of the products may directly threaten life or injury for the special usage (aeronautic or cosmic usage, military usage, combustion machine, life support applications or safety applications), please counsel with our contacts in advance.

Write frequency and storage temperature will affect data retention time. Please make a backup for important data.

## ■ Warranty

If the product cannot be used because of failure which is determined as defect in design or in production of the product, it is replaced by same product or equivalent one within 12 months from the delivery date of product.

(2018.06.14)

# X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for* Memory Cards *category:*

*Click to view products by* Panasonic *manufacturer:*

Other Similar products are found below :

SQF-ISDS1-8G-21C  USDCOEM-32GB  CAE1B256GTFDWB00EAA0  CAE1B064GTFDWB00EAA0  CAE1B128GTFDWB00EAA0
LMEX1L128GG2  LMEX1L256GG2  LMEX1L016GG2  LMEX1L032GG2  LMEX1L064GG2  SDSDQAF4-032G-I  SDSDQAF4-256G-I  AP-
CF016GKBNS-ETNRG  CFLSH-002PDG  CFLSH-016SDG  MS-C6-8G  HMC-EF283  SDCFXPS-032G-X46  SDCFXSB-128G-G46
SDU4GDPGRB  5788667-1-CUT-TAPE  RP-SMLE32DA1  SDC4GDPGRB  2729389  VTDCFBPI004G  SDSDAF3-016G-XI  2403484
VTDS41PI008G  SDSDAF3-016G-I  VSFCS2CC060G  SDSDAF3-032G-XI  SDSDAD-016G  SDSDAF3-008G-XI  SDSDAF3-008G-I
SDSDQAB-016G-J  VTDCFBPI008G  M1A0-0160R12  M1A0-0320R12  M1A4-0160R12  M1A4-0320R12  M1AA-0160R12  M1AA-0320R12
 M1AA-1280R12  SDCFXPS-256G-X46  SDSDXPK-128G-GN4IN  SDSDXXY-064G-GN4IN  SDSDXXY-128G-GN4IN  SDSDXXY-256G-
GN4IN  SDSDXXY-512G-GN4IN  SDSQXA1-128G-GN6MA