swissbit®

64GB
Industrial
CompactFlashCard

made in germany

swissbit®

Product Summary

- **Capacities:** 128 MBytes, 256 MBytes, 512 MBytes, 1 GByte, 2 GBytes, 4 GBytes, 8 GBytes, 16 GBytes, 32 GBytes, 64 GBytes
- **Form Factor:** CompactFlash Type I Card (36.4mm x 42.8mm x 3.3mm)
- **Compliance:** CFA 5.0 (CFA 6.1 compatible)
  PCMCIA spec. 2.1 & PC Card ATA Interface spec. 8, 7, 6, and 5,
  ATA-7 standard compatible in True IDE mode, up to UDMA6 / MDMA4 / PIO6 support
- **Performance:**
  - Read Performance: Sequential Read up to 64 MBytes/s, Random Read IOPS up to 3,200
  - Write Performance: Sequential Write up to 44 MBytes/s, Random Write IOPS up to 1,900
- **Operating Temperature Range[1]:**
  - Commercial: 0 °C to 70°C
  - Industrial: -40 °C to 85°C
- **Storage Temperature Range:**
  - -50 °C to 100 °C
- **Operating Voltage:** 3.3V ± 10% / 5V ± 10%
- **Data Retention:** 10 Years at Life Begin (JESD47), 1 Year at Life End
- **Shock/Vibration:** 1,500 g / 20 g
- **Mean Time Between Failure:** > 3,000,000 hours
- **Data reliability:** < 1 non-recoverable error per 10^{17} bits read
- **Electromagnetic Compatibility Tests:** Radiated Emission; Radiated Immunity; Electrostatic Discharge

Product Features

- SLC Flash with 100,000 Program/Erase Cycles and Reduced Write Amplification
- Global, Dynamic and Static Wear Leveling to maximize system write endurance
- Page Mode Flash Translation Layer (FTL) for best in class write performance and endurance
- Data Care Management
  - Read Disturb Management and Dynamic Data Refresh for maximized retention
  - Passive: Background Media Scan
- Lifetime Enhancements
  - Dynamic Bad Block Remapping
  - Write Amplification Reduction
  - Intelligent Garbage Collection
- Management of unexpected power loss
- Up to UDMA6, MDMA4, PIO6 interface speed (max 133 MB/s burst)
- Security Feature Set Support
- Optimized for fast boot-up times
- In-Field Firmware Update without user data loss
- Detailed Self-Monitoring, Analysis, and Reporting Technology (S.M.A.R.T.)
- Life Cycle Management
- Controlled "Locked" BOM
- Swissbit Life Time Monitoring (SBLTM) Tool and SDK for SBLTM (on request)

Why Swissbit?

Swissbit is focused on the design, development, manufacture, and support of leading edge memory and storage solutions for the worldwide OEM/ODM marketplace. As a global supplier, Swissbit recognizes and addressees the higher level of application requirements of today's industrial, Netcom, and automotive customers by providing best-in-class products and services, with uncompromised attention to driving overall value and quality.

---

[1] Adequate airflow is required to ensure the drive temperature, as reported in the S.M.A.R.T. data, does not exceed the specified maximum operating temperature.

Swissbit AG
Industriestrasse 4
CH-9552 Bronschhofen
Switzerland

www.swissbit.com

Revision: 1.01
Doc-2719
File: C-500_fact_sheet_CF-HxAF_Rev101
Page 2 of 2

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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

Click to view products by Swissbit *manufacturer:*

Other Similar products are found below :

SQF-ISDS1-8G-21C USDCOEM-32GB LMEX1L128GG2 LMEX1L256GG2 LMEX1L016GG2 LMEX1L032GG2 LMEX1L064GG2
SDSDQAF4-032G-I SDSDQAF4-256G-I AP-CF016GKBNS-ETNRG CFLSH-016SDG MS-C6-8G WPCFC512M-HFITI-AA
WPMSD001G-PFITI WPMSD002G-PFITI WPMSD004G-PFISMAS WPMSD008G-PFISM WPMSD008G-PFISMAS WPMSD016G-
PFISM WPMSD016G-PFISMAS WPSDC001G-EAITI WPSDC002G-EAITI SPSDX064G-PTCT5AS SPSDH008G-PFCSM SPSDH016G-
PTCT5AS SPSDH032G-PTCT5AS HMC-EF283 SDCFXPS-032G-X46 SDCFXSB-128G-G46 SDSDQB-032G-B35 SDSDQM-032G-B35A
SDU4GDMGRB 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