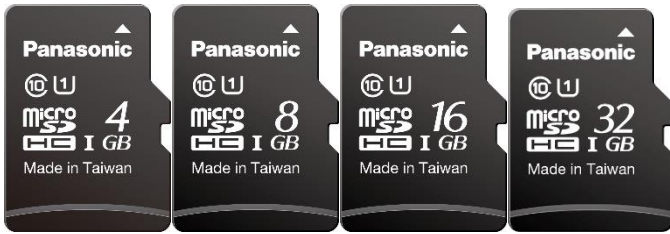New Product Introduction

PT Series microSDHC Memory Cards
Consumer Plus microSDHC SD Cards With An Industrial Temperature Rating And Built-In pSLC Technology

Panasonic, a worldwide leader in Storage Media Products, is pleased to introduce the **NEW PT Series Consumer Plus microSDHC Flash Memory Cards**. The **NEW PT Series** utilizes MLC-type NAND flash run in pSLC mode. This modification to the controller firmware increases the endurance of MLC Flash from 2k program/erase cycles to 20k cycles and higher. As a more modestly priced option to the traditional Industrial SD Card, the **NEW PT Series Memory Cards** are screened at -40°C to +85°C operating temperatures. This allows a wider variety of applications and markets they can be used in, especially ones where harsh weather conditions are a concern. Similar to Panasonic's more robust Industrial SD Cards and eMMC, the wear leveling algorithm on the **NEW PT Series** Cards is more sophisticated and can statically wear level the card no matter what operating system is used. These cards are compatible with both Linux and FAT files systems. The **NEW PT Series** power fail robustness protects data in case of power failure when the device is being written to. Data corruption can be prevented, which ensures the card contents can be read when the device is powered on again. Quality is maintained with 100% product screening before shipment to achieve low failure rate. Available in a 4GB, 8GB, 16GB and 32GB models.

Features
- Industrial Operating Temperature: -40°C to +85°C
- MLC (Multi Level Cell) NAND Flash Run In pSLC Mode
- Embedded-Type Wear Levelling
- Class 10, UHS-1 U1 Speed Grade
- 20k Program / Erase Cycles
- Power Fail Robustness
- 100% Product Screening Test
- Available in 4, 8, 16 and 32GB Capacities
- RoHS/REACH Compliant

Benefits
- Industrial SD Card Features At A More Modest Cost
- Suitable For A Wider Variety Of Applications, Including Harsh Weather Environments
- Substantially Higher Program/Erase Cycles
- Power Fail Robustness Prevents Data Corruption
- All Cards Are Tested At The Factory To Ensure Quality And Consistency

Industries
- Utility / Energy
- Geoscience
- HVAC / Climate Control
- Automotive / Fleet Management
- Parking / Traffic

Applications

- Smart Utility Meter
- Autonomous Data Recorder For Seismic Activity
- Smart Thermostats
- Dash Camera / Drive Recorder
- Automatic Pay Stations