



**Full compatible data storage tool  
to replace discontinued FD (Floppy Disk)  
with the latest SD Card/USB Memory**

**【Contact】**

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# Floppy Disk (FD) ⇒ SD Card Conversion Unit「Masty※1」

It is a “Recording system with data signal converter” which makes data in a Floppy Disk storable in the latest media (SD Card). Various models are available for PC (PC98 series, PC/AT machines) or industrial model (for SCSI standard tools/NC tools).



※1 “Masty” is registered trademark of Naito Densai Industry.





Manufacturer  
内藤電設グループ

**Denseisirius**

知と技で世界に羽ばたく  
川崎ものづくりブランド

# Feature of SD Card Conversion Unit “Masty”

**Masty is not limited to media conversion. It has following features.**

- ✓ Automatic detection of Modulation method (MFM/FM)
- ✓ System modification is not necessary
- ✓ Manage 100※<sup>2</sup> x Floppy Disks data in a single SD Card
- ✓ Superior noise resistant performance
- ✓ Drive unit is not necessary
- ✓ Robust Stainless body
- ✓ Internationally certified    
- ✓ RoHS certificated
- ✓ Excellent services in Installation and follow-up

※<sup>2</sup> Dual Selector type

## Before

Floppy Disk Drive (FDD)



【Floppy Disk (FD)】

- Unobtainable in the market
- Less record capacity per a media
- Slower data recording speed

Hardware (Chassis)

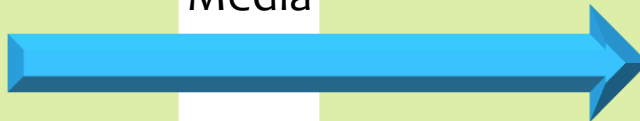


## After

SD Card Conversion Unit  
”Masty”



Media



【SD Card】

- Easily obtainable in market
- Record capacity is equivalent to 10–100 FDs
- Faster data recording speed

SD Conversion Unit “MASTY” has two models according to fitting or usage.  
You can choose suitable model.



## Single Selector



- Record data in 10pcs FDs into 1 SD Card
- Mountable on PC chassis ... Selector switch is operatable through inject switch hole  
(\*Depend on PC Models, it might be incompatible)

## Dual Selector



In case bezel of FDD is completely exposed like this, Dual selector type Masty can be installed.

- Record data in 100pcs FDs into 1 SD Card
- \*Not compatible with PC cover
- \*For record of 100pcs volume of FD data, SD card with higher than 200MB is required

If you use FD/Tape drive with “SCSI-2 (50pin)” standard, SD conversion unit with “SCSI standard” can be choosable.



### SCSI-FD⇒SD conversion type



- Record data in 100pcs FDs into 1 SD Card
  - More than 3 x performance compared with SCSI-FDD
- (\*Only Dual Selector type is available)



### SCSI-MT⇒SD conversion type




- Store data in 100pcs Tapes into 1 SD Card
- (\*Depend on volume of both SD card and tape)

# 「MASTY」 specification

## Standard type

Model		Picture	Storage capacity of FD (pcs)	For PC/AT convertible	For NEC PC98 series	Insert into PC body
P/N	Single selector		Max 10	SS-FDA-S/AT-A1	SS-FDA-S/98-A1	✓
	Dual selector		Max 100	SS-FDA-D/AT-A1	SS-FDA-D/98-A1	△
Operatable temperature				0~50 degree C <Preservation temperature : 0~60 degree C>		
International certification				CE EMC (EU), FCC (North America), KC (Korea), BSMI (Taiwan)		
Environmental specification				RoHS, China RoHS		
Dimension (mm)				101.6 (W) × 143.5 (D) × 25.4 (H)		
Weight (g)				Single selector: 355 / Dual Selector: 360		
Interface / power supply				For FDD 34 pin flat cable / for FDD 4 pin cable (+5V)		

## SCSI type

Model		Picture	Storage capacity of FD (pcs)	For SCSI-2 standard equipment	Insert into PC body
P/N	Dual selector		FD Max 100	SS-SFD-D-01	△
			Tape Max 100	SS-SMT-D/CM-01 (CMT、CGMT model)	
Interface				SCSI-2 (50pin) Active terminator built-in	
Power supply				4 pin power supply connector + 5V (with IDE conversion connector)	
SD card				Micro SD, Card more than SDHC SPI mode is usable	
Movement performance (for SCSI-FD)				More than 3x compared with SCSI-FD equipment	
Other option				Cables for SD conversion unit to be connected by particular interface and bodies & brackets to be compatible with various size equipment are prepareable. Customized order is also available.	

# Floppy Disk (FD) ⇒ USB Conversion Unit

It is a “Recording system with data signal converter” which makes data in a Floppy Disk (FD) storable in the latest media (USB). It is compatible to FD with ATAPI standard (34 pin connector) widely used in the market and is easy to install by only replacing drive chassis.

- Useful for back-up of process recipe / conveyance recipe
- Solve the issues of unobtainable FDD and media due to discontinuity
- Apply reasonable and market-available USB memory (max 8GB)
- Record data in 100pcs FDs into 1 USB memory
- Data in USB is dealt by Windows PC
- Only replace legacy FDD to this unit for installation (completely compatible)
- Abundant references in major semiconductor equipment



Front panel

**P/N : PFH-100**



Connector part