






## microSDHC/SDXC Memory Card

### ■ Product Outline

Panasonic's newest generation of microSD memory cards, TMTC series, feature a microSD UHS-I interface, outstanding performance, CLASS10(C10) and UHS-I U1, making them ideal to integrate with existing SD infrastructure for a wide variety of microSD host devices such as surveillance cameras and broadcast equipment. Available in 128GB capacity, the TMTC series from Panasonic provides read/write data transfer speed complying to the related SD cards' specification.

### ■ Product Specification (specification and appearances are subject to be changed without notice)

Capacity	16GB	32GB	64GB	128GB	256GB
Appearance					
Part number	RP-TMTC16DA1	RP-TMTC32DA1	RP-TMTC64DA1	RP-TMTC12DA1	RP-TMTC25DA1
Compliant Specification	SD card Specification	Ver.6.10			
	SD speed class	CLASS10			
	UHS speed grade	I U			
	Speed mode	Default Speed Mode, High Speed Mode, SDR12/SDR25/SDR50/DDR50/SDR104			
Absolute Maximum Rating*	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	-25°C~+85°C			
	Storage Temperature	-40°C~+85°C			
	Humidity**	5 % RH to 95 % RH			
	Vibration	15 Gp-p			
	Shock	1,000G			
	Mating Cycles	10,000 cycles			
RoHS	Compliant EU RoHS directives				

\*Absolute Maximum Ratings are the values of limitation, which do not damage the card. So those do not define the operational range.

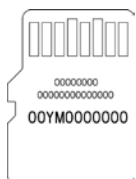
\*\*Maximum humidity does not mean the product can be operated or stored with the condition with the maximum of the temperature for long time. Please operate or store the product under the condition of below above temperature and humidity.

## ■ Marking Specification



"256GB"  
"MADE IN TAIWAN"

Card Capacity  
Country of origin



"00YM0000000"  
Y  
M  
"000000000",  
"000000000000000"

Serial Number  
Last digit of Manufacture year  
Manufacture month  
(January->A, February->B, )  
Internal control code  
Internal control code

## ■ System Reliability

- Error detect and corrective function
- Static wear leveling
- 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 consult 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.

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