Panasonic

PC Series

SDHC Memory Card, Industrial MLC Model

■ **Product Outline**

PC series are the SDHC memory cards adopting built-in industrial type MLC NAND flash memory, and suitable for industrial applications. They are adequate for applications such as automotive use, security camera, factory automation, broadcast equipment, etc. They are formatted complying SD card specification.

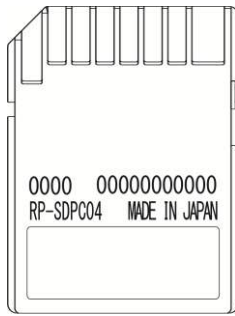■ **Product Specification** (specifications and appearances are subject to be changed without notice.)

		4GB	8GB	16GB
Appearance				
Part Number		RP-SDPC04DA1	RP-SDPC08DA1	RP-SDPC16DA1
Capacity	Available user data area capacity *1)	3,955,195,904 bytes	7,998,504,960 bytes	16,198,369,280 bytes
Compliant Specification	SD Physical Specification	Ver. 3.01		
	SD speed class	CLASS④		
	UHS speed grade	---		
	Speed mode	Default Speed mode, High Speed mode		
Backside mark	Control Code	---		
Read/Write Performance (up to)	Read	20MB/s		
	Write	12MB/s		
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 user area capacity after formatted.

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

Products comply with EU RoHS directives.

(2014.11.14)

■Marking Specification (example; 4GB)

"0000"　　Control Code (Defined as product parts combination)
"00YM0000000"　　Serial Number
　　Y　　Last digit of Manufacture year
　　M　　Manufacture month (January->A, February->B,　)
"RP-SDPC04"　　Card Series Name
"MADE IN JAPAN"　　Country of origin

■ 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
　　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.

(2014.11.14)