

STANDARD FLASH MEMORY CARD/MINIATURE CARD



★ Under development

STANDARD FLASH MEMORY CARDS (ID243/ID245 series)

◆ Features

- NOR type flash memory card.
- The outline and pin connections conform to PCMCIA/JEIDA Type I.
- x16 data bus interface
- Smart voltage operation (5 V single-/3.3 V single-power-supply operation)

Type	Memory capacity (byte)	Bit configuration	Model No.	Access time (ns) MAX.		Supply voltage	Read current (mA) MAX.	Standby current (mA) MAX.
				Vcc = 5 V	Vcc = 3.3 V			
Flash memory	1 M	x16	★ID243Cxx	100	150	Smart voltage Vcc = 4.5 to 5.5V or Vcc = 3.0 to 3.6V	75 (Vcc = 5 V)/ 25 (Vcc = 3.3 V)	2
	2 M		ID243Dxx					
	4 M		ID243Exx					
	6 M		ID243Fxx					
	8 M		ID243Gxx					
	4 M	x16	ID245Exx	150	150			
	8 M		ID245Gxx					
	16 M		ID245Kxx					
	24 M		ID245Mxx					
	32 M		ID245Pxx					
64 M	★ID245Uxx							

MINIATURE CARDS (ID3 series)

◆ Features

- Compact size: 33 mm (L) × 38 mm (W) × 3.5 mm (H) (1/4 in size of PCMCIA/JEIDA Cards)
- Wider memory type (Flash memory, Mask ROM, DRAM; up to 64 M bytes)
- Erastmeric connector as a connector
- Use FTL (Flash Translation Layer) or FAT (File Allocation Table)/FTL-Lite as a flash control software.
- Realize data compatibility to PC by using PC-Card adaptor
- x16 memory interface

Series	Type	Memory capacity (byte)	Configuration	Model No.	Access time (ns) MAX.	Supply voltage (V)	Read current (mA) MAX.	Standby current (μA) MAX.	
ID3 series	Flash memory	1 M	× 16	★ID340Cxx	100 (at 5 V)/ 150 (at 3.3 V)	Smart voltage*1	70 (at 5 V)/ 25 (at 3.3 V)	240 (2 MB product)	
		2 M		ID340Dxx					
		4 M		ID341Exx					
		8 M		ID341Gxx					
		16 M		★ID341Kxx	150				
	Mask ROM	1 M	× 16	ID350Cxx	150		3.3*2	40 (16 MB product)	80 (16 MB product)
		2 M		ID350Dxx					
		4 M		ID350Exx					
		8 M		ID350Gxx					
		16 M		ID350Kxx					
	32 M	ID350Pxx							

*1 Can be used in 3.3 V or 5 V systems.

*2 5 V line-up also available.