

Данные служебных регистров различных типов MMC-карт («родных» Simatic и бытовой)

CID-регистр

	MMC 64Kb	MMC 128Kb (6ES7953-8LG00-0AA0)	MMC 128Kb (6ES7953-8LG11-0AA0)	Бытовая MMC 64Mb
Manufacturer ID	06h	01h	01h	15h
Application ID	00h 02h	00h 02h	00h 02h	00h 00h
Product name PNM	41 0641 00 00 00	41 1281 00 00 00	41 1281 00 00 00	30h 30h 30h 30h 30h 30h
Produkt revision	25h	01h	24h	09h
Product serial number	1Dh B9h 0Bh 20h	18h EDh 57h 67h	19h D8h 24h 3Fh	C2h 16h B9h CCh
Manufacturing date	38h март 2005 г.	85h август 2002 г.	B6h ноябрь 2003 г.	68h июнь 2005 г.
7-bit CRC checksum CRC7 [7:1]	43h	EBh	79h	47h

*** - в имени продукта содержится информация о емкости «родной» MMC-карты (64Kb, 128Kb)
 Вероятнее всего именно информация **Product name PNM** из CID-регистра является проверочной для контроллера.

CSD-регистр

	MMC 64Kb	MMC 128Kb (6ES7953-8LG00-0AA0)	MMC 128Kb (6ES7953-8LG11-0AA0)	Бытовая MMC 64Mb
CSD structure	1	1	1	2
Spec versioe	0010	0010	0010	0011
Res.	00	00	00	00
Data read access time 1	0x0E (130 ns)	0x0E (130 ns)	0x0E (130 ns)	0x26 (900 ns)
Data read access time 2	0x01	0x01	0x01	0x01
Max. data transfer rate	0x2A (100 Mbit/s)	0x2A (100 Mbit/s)	0x2A (100 Mbit/s)	0x2A (100 Mbit/s)
Card command classes	0x0FF (классы 0-7)	0x0FF (классы 0-7)	0x0FF (классы 0-7)	0x0F5 (классы 0,2,4-7)
Max read data block len	0x9 (512 bytes)	0x9 (512 bytes)	0x9 (512 bytes)	0x9 (512 bytes)
Partial bl read allowed	1 (Enabled)	1 (Enabled)	1 (Enabled)	0 (ТОЛЬКО READ_BL_LEN)

Write block misalignment	0 (Disable)	0 (Disable)	0 (Disable)	0 (Disable)
Read block misalignment	0 (Disabled)	0 (Disable)	0 (Disable)	0 (Disable)
DSR implemented	0 (Disabled)	0 (Disable)	0 (Disable)	0 (Disable)
Reserved	`00`	`00`	`00`	`00`
Device Size	0x7A7	0x7AB	0x7A7	0xF4F
Max. read current Vdd min	0x06 (60 mA)	0x05 (35 mA)	0x06 (60 mA)	0x06 (60 mA)
Max. read current Vdd max	0x06 (80 mA)	0x04 (35 mA)	0x06 (80 mA)	0x06 (80 mA)
Max. write I at Vdd min	0x06 (60 mA)	0x05 (35 mA)	0x06 (60 mA)	0x06 (60 mA)
Max. write I at Vdd max	0x06 (80 mA)	0x04 (35 mA)	0x06 (80 mA)	0x06 (80 mA)
Device size multiplier	0x02 (16)	0x02 (16)	0x02 (16)	0x03 (32)
Erase group size	0x00 (00 sectors)	0x00 (00 sectors)	0x00 (00 sectors)	0x18
Erase group siz. multip.	0x0f (16)	0x0f (16)	0x0f (16)	0x1C
Write protect grp. size	0x01	0x01	0x01	0x12
Write protect grp. ena	1 (Enabled)	1 (Enabled)	1 (Enabled)	1 (Enabled)
Manufacturer default	0x0	0x0	0x0	0x0
Write speed factor	0x2 (4x)	0x2 (4x)	0x2 (4x)	0x2 (4x)
Max. wr data block len	0x9 (512 bytes)	0x9 (512 bytes)	0x9 (512 bytes)	0x9 (512 bytes)
Partial blk. wr allowed	0 (Disable)	0 (Disable)	0 (Disable)	0 (Disable)
Reserved	0x05	0x05	0x05	0x05
Content prot. app	x0 (Disable)	x0 (Disable)	x0 (Disable)	x0 (Disable)
File format group	x0 (Hard disk-like file system with partition table)	x0 (Hard disk-like file system with partition table)	x0 (Hard disk-like file system with partition table)	x1 (reserved)
Copy flag (OTP)	x0	x0	x0	x0
Permanent write protect	x0 (NOT PROTECTED)	x0 (NOT PROTECTED)	x0 (NOT PROTECTED)	x0 (NOT PROTECTED)
Temporary write protect	x0 (NOT PROTECTED)	x0 (NOT PROTECTED)	x0 (NOT PROTECTED)	x0 (NOT PROTECTED)
File format	x0	x0	x0	x0
ECC	x0	x0	x0	x0
7-bit CRC checksum	0x2Eh	0x5Dh	0x2Eh	0x2Ch
Not used	0x1	0x1	0x1	0x1