

Data map of RICOH SP112 cartridge chip's memory

	0x00	0x01	0x02	0x03	0x04	0x05	0x06	0x07
0x00	M ¹	CV ²	B ³	Region ⁴	Cartridge type ⁵			0x00
0x08	IT ⁶	0x00	EDP code (407166)					
0x10	Cartridge serial number							
0x18	0x00				Control number			
0x20	Printer serial number							
0x28								
0x30	0x00							
0x38								
0x40	Number of pages printed				0x00			
0x48	0x00							
0x50								
0x58	Control number				0x00			
0x60	0x00							
0x68	CC ⁹		0x00					
0x70	Amount of toner used				0x00		WT ¹⁰	BF ¹¹
0x78	0x00							

1 Model

2 Cartridge version

3 Brand

4 Region of destination of the cartridge (e.g. Europe)

5 Cartridge type (0x01,0x01,0x03 – starter, 0x03,0x01,0x01 – standard)

6 The initial amount of toner in percent

7 The percentage of toner remaining

8 OPC drum wear

9 Number of cartridge cleaning cycles

10 The percentage filling level of the waste toner container

11 Bit field (cartridge status)