

LHO

RAM

DEFINITION

Issued on : 15th September 1994

Note: H = Hex, A = ASCII, B = BCD

Address	Unit	Definition
080000	H	RAM Reset Level 1 Change the data at this address to 00[H], then switch the machine off and on to reset all the system settings. Note: The FAX/COPY switch must be at the FAX side before changing this RAM.
080002	A	FCU ROM Version (Read Only; Do not change the settings)
080003	B	080002 Suffix
080004	B	080003 Year
080005	B	080004 Month
		080005 Day
080008 └	A	Machine's Serial Number
08001B	A	
08001D	H	40MB HDD option (Read Only; Do not change the setting) 01[H]: Installed
080020	H	Bit Switches (Refer to section 4.2 of the service manual for details)
└		080020 Bit Switch 00
08003F	H	08003F Bit Switch 1F
080040	H	Service Switch (Refer to section 4.7 of the service manual for details)
└		080040 Service Switch 00
08005F	H	08005F Service Switch 1F
080061	H	bit 7: Length of the DIS frame bits 0-6: not used
080080	H	User Parameters (See the Operator's Manual for details)
└		080080 User Parameter 00
08008F	H	08008F User Parameter 0F
080090	H	Function on/off settings (Function 81)
		bit 0 Authorized Reception 1: ON
		bit 1 Specified Cassette Selection 1: ON
		bit 2 Forwarding 1: ON
080091	H	Function on/off settings (Function 81)
		bit 0 Memory Lock 1: ON
		bit 1 Confidential File Report 1: ON
080092	H	Function on/off settings (Function 81)
		bit 0 Night Timer 1: ON
		bit 1 Halftone Type 0: STD Mode 1: SPD Mode
		bit 2 RDS 1: ON
		bit 3 Daylight Saving/Summer Time 1: ON
080093	H	Function on/off settings (Function 81)
		bit 0 File Retention 1: Enabled
		bit 1 File Retention Time 0: 24 H 1: 72 H
080094	H	Function on/off settings (Function 81)
		bit 0 Face Down Printout (2 nd Bin) 1: Enabled
		bit 1 Face Down Printout (3 rd Bin) 1: Enabled
		bit 2,3 Copy Printout 0.0 / 1.1: 1st Bin 1.0: 2nd Bin 0.1: 3rd Bin
		bit 4,5 Fax Printout 0.0 / 1.1: 1st Bin 1.0: 2nd Bin 0.1: 3rd Bin
		bit 5,6 Printer Printout 0.0 / 1.1: 1st Bin 1.0: 2nd Bin 0.1: 3rd Bin
0800A0	H	G4 Initial Switches
└		0800A0 G4 Initial Switch 00
0800BF	H	0800BF G4 Initial Switch 1F
0800C0	H	G4 Parameter Switches
└		0800C0 G4 Parameters Switch 00
0800CF	H	0800CF G4 Parameters Switch 0F
0800E0	H	SAF Memory Size (Read only; Do not change the setting)
		00[H]: Standard (1 MB)
		01[H]: With 1MB memory option (2MB total)
		02[H]: With 2MB memory option (3MB total)
		03[H]: With 40MB HDD option (40MB total)

0800E1	H	ISDN G4 Option (Read only; Do not change the setting) 01[H]: Installed
0800E4	H	Optional Paper Feed Unit (Read only; Do not change the setting) 03[H]: Installed
0800E5	H	Duplex/Sorter Unit (Read only; Do not change the setting) 00[H]: Not installed 01[H]: Duplex unit installed 02[H]: Sorter installed 03[H]: Duplex/sorter both installed
0800F8	H	Number of RTI characters
0800F9 └┘	A	RTI
08010D	A	
08010E	H	Number of CSI characters
08010F └┘	A	CSI
080123	A	
080124	H	Number of TTI characters
080125 └┘	A	TTI
080144	A	
080146	H	ID code (Lower byte)
080147	H	ID code (Upper byte)
080148	B	Confidential ID (Lower byte)
080149	B	Confidential ID (Upper byte)
08015E	B	Page no. for multi-printing (01~09Max.)
0801A6 └┘	B	Master Counter
0801A8		0801A6 bit 7 ~ 4: Tens bit 3 ~ 0: Units 0801A7 bit 7 ~ 4: Thousands digit bit 3 ~ 0: Hundreds digit 0801A8 bit 7 ~ 4: Hundred thousands digit bit 3 ~ 0: Ten thousands digit
0801A9 └┘		
0801AB	B	Tx Counter (same as Master Counter)
0801AC └┘	B	
0801AE	B	Rx Counter (same as Master Counter)
0801AF └┘	B	
0801B1	B	Scanner Counter (same as Master Counter)
0801B5 └┘	B	
0801B7	B	ADF Jam Counter (same as Master Counter)
0801B8 └┘	B	
0801BA	B	ADF Feed Counter (same as Master Counter)
0801BB └┘	B	
0801BD	B	PM Counter (same as Master Counter)
0801BE └┘	B	
0801C0	B	Service Call Counter (same as Master Counter)
0801C4 └┘	B	
0801C6	B	Total Printer Jam Counter (same as Master Counter)
0801C7 └┘	B	
0801C9	B	Jam Counter for the Registration and / or Relay rollers area (same as Master Counter)
0801CA └┘	B	
0801CC	B	Jam Counter for the First Paper Feed Station (same as Master Counter)

0801CD └	B	Jam Counter for the Second Paper Feed Station (same as Master Counter)	
0801CF	B		
0801D0 └	B	Jam Counter for the Third Paper Feed Station (same as Master Counter)	
0801D2	B		
0801D3 └	B	Jam Counter for the Fourth Paper Feed Station (same as Master Counter)	
0801D5	B		
0801D6 └	B	Jam Counter for the Duplex Unit (same as Master Counter)	
0801D8	B		
0801F0 └	A	ISDN G4 TID	
080208	A		
080209	H	Number of ISDN CSI Characters	
08020A └	A	ISDN CSI	
08021E	A		
080223 └	A	ISDN International Dial Prefix	
080226	A		
08024F └	A	ISDN G4 Subaddress	
080252	A		
080253 └	A	ISDN G3 Subaddress	
080256	A		
080261	A	080261	Suffix
080262	B	080262	Year
080263	B	080263	Month
080264	B	080264	Day
080265 └	H	Copier Switch (Refer to section 4.7 of the service manual for details)	
08026A	H	080265	Copier Switch 00
		08026A	Copier Switch 05
080301 └	H	NCU parameters (Refer to section 4.4 of the service manual for details)	
0803F5	H		
080400 └	H	Scanner SP Mode Parameters (Refer to section 4.3 of the service manual for details)	
0804FF	H	080400	Scanner SP Mode no. 00
		0804FF	Scanner SP Mode no. FF
080500 └	H	Printer SP Mode Parameters (Refer to section 4.3 of the service manual for details)	
0805FF	H	080500	Printer SP Mode no. 00
		0805FF	Printer SP Mode no. FF
080605 └	B	Number of copy jams in location (A) (same as Master Counter; see the previous page)	
080607	B		
080608 └	B	Number of copy jams in location (B) (same as Master Counter; see the previous page)	
08060A	B		
08060B └	B	Number of copy jams in location (C) (same as Master Counter; see the previous page)	
08060D	B		
08060E └	B	Number of copy jams in location (E) (same as Master Counter; see the previous page)	
080610	B		

080611 └	B	Number of copy jams in location (Y) (same as Master Counter; see the previous page)
080613	B	
080614 └	B	Number of copy jams in location (R) (same as Master Counter; see the previous page)
080616	B	
080617 └	B	Number of Auto Service Calls for Main Motor Lock Failure (same as Master Counter; see the previous page)
080619	B	
08061A └	B	Number of Auto Service Calls for Polygonal Mirror Motor Failure (same as Master Counter; see the previous page)
08061C	B	
08061D └	B	Number of Auto Service Calls for Fusing Unit Failure (same as Master Counter; see the previous page)
08061F	B	
080620 └	B	Number of Auto Service Calls for Laser Diode Power Control Failure (same as Master Counter; see the previous page)
080622	B	
080623 └	B	Number of Auto Service Calls for Scanner Home Position Failure (same as Master Counter; see the previous page)
080625	B	
080626 └	B	Number of Auto Service Calls for Fuse Failure (same as Master Counter; see the previous page)
080628	B	
080629 └	B	Number of Auto Service Calls for Master Unit Motor failure (same as Master Counter; see the previous page)
08062B	B	
08069C └	B	Total printer counter (same as Master Counter; see the previous page)
08062E	B	
08062F └	B	Printer counter for copy (same as Master Counter; see the previous page)
080631	B	
080632 └	B	Printer counter for fax (same as Master Counter; see the previous page)
080634	B	
080635 └	B	Printer counter for prints out from a PC (same as Master Counter; see the previous page)
080637	B	
080695 └	B	PM interval (same as Master Counter; see the previous page)
080697	B	

080698	H	Details of the current Auto Service Call 00 [H]: PM call interval (number of pages between PM calls) expired 01 [H]: Fusing Unit Failure 02 [H]: Fusing Unit Failure 11 [H]: Main Motor Failure 21 [H]: Polygonal Mirror Motor Failure 41 [H]: Laser Diode Power Control Failure 51 [H]: Master Unit Motor Failure 61 [H]: Scanner Home Position Failure 71 [H]: Fuse failure - either the PFU Main Motor, ADF, or general +24V fuse has blown 80 [H]: Excessive jams in the ADF 81 [H]: Excessive jams in the duplex unit 82 [H]: Excessive jams in the first paper feed station 83 [H]: Excessive jams in the second paper feed station 84 [H]: Excessive jams in the third paper feed station 85 [H]: Excessive jams in the fourth paper feed station 86 [H]: Excessive jams in the paper exit area (including jams in the sorter, if installed) 87 [H]: Excessive jams in the fusing unit 90 [H]: The used toner tank is full A0 [H]: The PM interval has expired
080699	H	Reason for the Auto Service Call bit 0 1: Main Motor Failure bit 1 1: Polygonal Mirror Motor Failure bit 2 Not used bit 3 1: Fusing Unit Failure bit 4 1: Laser Diode Power Control Failure bit 5 1: Scanner Home Position Failure bit 6 1: Fuse Failure bit 7 1: Master Unit Motor Failure
08069A	B	PM call interval 00 Disabled 01 ~ 15 PM call interval [month(s)]
08069B	B	Periodic Service Call (year of the next call)
08069C	B	Periodic Service Call (month of the next call)
08069D	B	Periodic Service Call (day of the next call)
08069E	B	Periodic Service Call (hour of the next call)
0806B0	H	Threshold value of NO-JAM1 counter (DEC) for the ADF 01 ~ FF [H]
0806B1	H	Threshold value of the JAM counter (CALL) for the ADF 03 ~ 0F [H]
0806B2	H	Threshold value of the NO-JAM2 counter (CLR) for the ADF
0806B3		0001 ~ FFFF [H]
0806B4	H	Threshold value of the NO-JAM1 counter (DEC) for the duplex unit 01 ~ FF [H]
0806B5	H	Threshold value of the JAM counter (CALL) for the duplex unit 03 ~ 0F [H]
0806B6	H	Threshold value of the NO-JAM2 counter (CLR) for the duplex unit
0806B7		0001 ~ FFFF [H]
0806B8	H	Threshold value of the NO-JAM1 (DEC) counter for the first paper feed station 01 ~ FF [H]
0806B9	H	Threshold value of the JAM counter (CALL) for the first paper feed station 03 ~ 0F [H]
0806BA	H	Threshold value of the NO-JAM2 counter (CLR) for the first paper feed station
0806BB		0001 ~ FFFF [H]
0806BC	H	Threshold value of the NO-JAM1 counter (DEC) for the second paper feed station 01 ~ 0F [H]

0806BD	H	Threshold value of the JAM counter (CALL) for the second paper feed station 03 ~ 0F [H]
0806BE 0806BF	H	Threshold value of the NO-JAM2 counter (CLR) for the second paper feed station 0001 ~ FFFF [H]
0806C0	H	Threshold value of the NO-JAM1 counter (DEC) for the third paper feed station 01 ~ 0F [H]
0806C1	H	Threshold value of the JAM counter (CALL) for the third paper feed station 03 ~ 0F [H]
0806C2 0806C3	H	Threshold value of the NO-JAM2 counter (CLR) for the third paper feed station 0001 ~ FFFF [H]
0806C4	H	Threshold value of the NO-JAM1 counter (DEC) for the fourth paper feed station 01 ~ 0F [H]
0806C5	H	Threshold value of the JAM counter (CALL) for the fourth paper feed station 03 ~ 0F [H]
0806C6 0806C7	H	Threshold value of the NO-JAM2 counter (CLR) for the fourth paper feed station 0001 ~ FFFF [H]
0806C8	H	Threshold value of the NO-JAM1 counter (DEC) for the paper feed out area 01 ~ 0F [H]
0806C9	H	Threshold value of the JAM counter (CALL) for the paper feed out area 03 ~ 0F [H]
0806CA 0806CB	H	Threshold value of the NO-JAM2 counter (CLR) for the paper feed out area 0001 ~ FFFF [H]
0806CC	H	Threshold value of the NO-JAM1 counter (DEC) for the fusing unit 01 ~ 0F [H]
0806CD	H	Threshold value of the JAM counter (CALL) for the fusing unit 03 ~ 0F [H]
0806CE 0806CF	H	Threshold value of the NO-JAM2 counter (CLR) for the fusing unit 0001 ~ FFFF [H]
0806D0	H	NO-JAM1 counter (DEC) for the ADF
0806D1	H	JAM counter (CALL) for the ADF
0806D2 0806D3	H	NO-JAM2 counter (CLR) for the ADF
0806D4	H	NO-JAM1 counter (DEC) for the duplex unit
0806D5	H	JAM counter (CALL) for the duplex unit
0806D6 0806D7	H	NO-JAM2 counter (CLR) for the duplex unit
0806D8	H	NO-JAM1 counter (DEC) for the first paper feed station
0806D9	H	JAM counter (CALL) for the first paper feed station
0806DA 0806DB	H	NO-JAM2 counter (CLR) for the first paper feed station
0806DC	H	NO-JAM1 counter (DEC) for the second paper feed station
0806DD	H	JAM counter (CALL) for the second paper feed station
0806DE 0806DF	H	NO-JAM2 counter (CLR) for the second paper feed station
0806E0	H	NO-JAM1 counter (DEC) for the third paper feed station
0806E1	H	JAM counter (CALL) for the third paper feed station
0806E2 0806E3	H	NO-JAM2 counter (CLR) for the third paper feed station
0806E4	H	NO-JAM1 counter (DEC) for the fourth paper feed station
0806E5	H	JAM counter (CALL) for the fourth paper feed station
0806E6 0806E7	H	NO-JAM2 counter (CLR) for the fourth paper feed station
0806E8	H	NO-JAM1 counter (DEC) for the feed out area
0806E9	H	JAM counter (CALL) for the feed out area
0806EA 0806EB	H	NO-JAM2 counter (CLR) for the feed out area

0806EC	H	NO-JAM1 counter (DEC) for the fusing unit																																																																									
0806ED	H	JAM counter (CALL) for the fusing unit																																																																									
0806EE 0806EF	H	NO-JAM2 counter (CLR) for the fusing unit																																																																									
0806F0 └	B	Effective Term of Service Calls																																																																									
0806F2	B	0806F0	Year																																																																								
		0806F1	Month																																																																								
		0806F2	Day																																																																								
09FAF4	B	Buffer for Error Code(s) 32 error codes can be stored in this area. Information about one error code consists of six bytes. e.g) Error Code: 0-23 22 AUG 09:44 09FAF4 [First byte]: Month 08 [BCD] 09FAF5 [Second byte]: Day 22 [BCD] 09FAF6 [Third byte]: Hour 09 [BCD] 09FAF7 [Fourth byte]: Minute 44 [BCD] 09FAF8 [Fifth byte]: Error Code (before the hyphen) 00 [BCD] 09FAF9 [Sixth byte]: Error Code (after the hyphen) 23 [BCD] The start address of each error code is as follows.																																																																									
<table><tr><td>No.</td><td>Address</td><td>No.</td><td>Address</td><td>No.</td><td>Address</td></tr><tr><td>1</td><td>09FAF4</td><td>2</td><td>09FAFA</td><td>3</td><td>09FB00</td></tr><tr><td>4</td><td>09FB06</td><td>5</td><td>09FB0C</td><td>6</td><td>09FB12</td></tr><tr><td>7</td><td>09FB18</td><td>8</td><td>09FB1E</td><td>9</td><td>09FB24</td></tr><tr><td>10</td><td>09FB2A</td><td>11</td><td>09FB30</td><td>12</td><td>09FB36</td></tr><tr><td>13</td><td>09FB3C</td><td>14</td><td>09FB42</td><td>15</td><td>09FB48</td></tr><tr><td>16</td><td>09FB4E</td><td>17</td><td>09FB54</td><td>18</td><td>09FB5A</td></tr><tr><td>19</td><td>09FB60</td><td>20</td><td>09FB66</td><td>21</td><td>09FB6C</td></tr><tr><td>22</td><td>09FB72</td><td>23</td><td>09FB78</td><td>24</td><td>09FB7E</td></tr><tr><td>25</td><td>09FB84</td><td>26</td><td>09FB8A</td><td>27</td><td>09FB90</td></tr><tr><td>28</td><td>09FB96</td><td>29</td><td>09FB9C</td><td>30</td><td>09FBA2</td></tr><tr><td>31</td><td>09FBA8</td><td>32</td><td>09FBAE</td><td></td><td></td></tr></table>				No.	Address	No.	Address	No.	Address	1	09FAF4	2	09FAFA	3	09FB00	4	09FB06	5	09FB0C	6	09FB12	7	09FB18	8	09FB1E	9	09FB24	10	09FB2A	11	09FB30	12	09FB36	13	09FB3C	14	09FB42	15	09FB48	16	09FB4E	17	09FB54	18	09FB5A	19	09FB60	20	09FB66	21	09FB6C	22	09FB72	23	09FB78	24	09FB7E	25	09FB84	26	09FB8A	27	09FB90	28	09FB96	29	09FB9C	30	09FBA2	31	09FBA8	32	09FBAE		
No.	Address	No.	Address	No.	Address																																																																						
1	09FAF4	2	09FAFA	3	09FB00																																																																						
4	09FB06	5	09FB0C	6	09FB12																																																																						
7	09FB18	8	09FB1E	9	09FB24																																																																						
10	09FB2A	11	09FB30	12	09FB36																																																																						
13	09FB3C	14	09FB42	15	09FB48																																																																						
16	09FB4E	17	09FB54	18	09FB5A																																																																						
19	09FB60	20	09FB66	21	09FB6C																																																																						
22	09FB72	23	09FB78	24	09FB7E																																																																						
25	09FB84	26	09FB8A	27	09FB90																																																																						
28	09FB96	29	09FB9C	30	09FBA2																																																																						
31	09FBA8	32	09FBAE																																																																								