Model: Eland 99 (Network Interface Board)	Date: 21-Mar-00	No.: RG678001

Subject: ROM History	Prepared by: K. Miura
From: Technical Services Dept., GTS Division	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for Eland 99 (Network Interface Board).
The software versions listed below can be used for the NIBs of the following models:
Stinger-C1/ Stinger-C1L/ Russian-C1/ Russian-P/ Adonis-C/ Adonis-P/ FresaWIN/ PomeloWIN/
Color Controller RC-200

G6785839	File No. (G678Rxxx)	Version	Production
B	001	3.7.5	1st release
C	002	3.7.7	February Prod. '99
D	003	3.8.6	March Prod. '99
E	004	3.8.7	April Prod. '99
F	005	3.8.8	June Prod. '99
G	006	3.9.2	July Prod. '99
H	007	3.9.8	October Prod. '99
J	008	4.0.0	November Prod. '99

Symptom Corrected	
PCL text filter support has been added.	J
The "RICOH" brand name has been deleted from several functions and reports.	J
An Italian wording for "Config Reference" used in the Web status monitor has been changed to "Riferim. Config".	H
A Spanish wording for "Default Gateway Address" used in the Web status monitor has been changed to "Direcci. Gateway".	H
A type of Cisco router caused a problem in browsing the NIB in AppleTalk network. The cause of this was in the Cisco router, but the NIB firmware has been modified to fix this.	H
When a printer error occurs, the printer information cannot be accessed using Macintosh printer utilities such as the Apple Printer Utility.	G
The IPP (Internet Printing Protocol) function has been added.	G
On the web status monitor, the wording in German was incorrect. "FreierSpeicher" has been corrected to "Freier Speicher".	F
The Web status monitor displays a "No Tray/No Paper" error when a tray is not closed completely. The message in this case has been changed to "Other error".	F

Model: Eland 99 (Network Interface Board)	Date: 21-Mar-00	No.: RG678001

Symptom Corrected	
Disabling (Down) or enabling (Up) AppleTalk protocol from the operation panel sometimes did not take effect after the change. To avoid this, the firmware has been changed to save a new setting to the NVRAM immediately after a change.	F
One banner page data of NetWare was split into two pages when using NetWare 3.12 pserver mode.	E
In the NetWare remote printer mode, the NIB consumed a server connection license. To avoid this, the firmware has been modified to disconnect the NCP connection immediately after the remote printer has connected to the server.	E
Software modified so that it can also be used for the Stinger-C.	D
On the web status monitor, the incorrect icon was used for "Paper Empty".	C
When the NIB was receiving five communications (five print jobs) from PCs at the same time, any additional print job (6th print job) disappeared.	C

Model: Eland 99 (Network Interface Board)	Date: 25-Apr-00	No.: RG678002a

RTB Correction
The items with a line drawn through them have been deleted.

Subject: ROM History	Prepared by: H. Someya
From: Technical Services Dept., GTS Division	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for Eland 99 (Network Interface Board).
The software versions listed below can be used for the NIBs of the following models:
Stinger-C1/ Stinger-C1L/ Russian-C1/ Russian-P/ ~~Adonis-C/ Adonis-P/~~ FresaWIN/ PomeroWIN/ Color Controller RC-200

G6785839	File No. (G678Rxxx)	Version	Check Sum	Production
B	001	3.7.5		1st release
C	002	3.7.7	600F	February Prod. '99
D	003	3.8.6	7DF6	March Prod. '99
E	004	3.8.7	00BB	April Prod. '99
F	005	3.8.8	6339	June Prod. '99
G	006	3.9.2	9605	July Prod. '99
H	007	3.9.8	5A35	October Prod. '99
J	008	4.0.0	6E2A	November Prod. '99
K	009	4.0.2	FF9C	April Prod. 2000

Symptom Corrected	
HTTP access has been improved when multiple protocols are used at the same time (e.g. telnet, IPP and HTTP)	K
PCL text filter support has been added.	J
The "RICOH" brand name has been deleted from several functions and reports.	J
An Italian wording for "Config Reference" used in the Web status monitor has been changed to "Riferim. Config".	H
A Spanish wording for "Default Gateway Address" used in the Web status monitor has been changed to "Direcci. Gateway".	H
A type of CISCO router caused a problem when browsing the NIB on an AppleTalk network. The cause of this was in the CISCO router, but the NIB firmware has been modified to fix this.	H
When a printer error occurs, the printer information cannot be accessed using Macintosh printer utilities such as the Apple Printer Utility.	G
IPP (Internet Printing Protocol) has been added.	G
On the web status monitor, the wording in German was incorrect. "FreierSpeicher" has been corrected to "Freier Speicher".	F
The Web status monitor displays "No Tray/No Paper" error when a tray is not closed completely. The message in this case has been changed to "Other error".	F

Reissued: 12-Jun-00

Model: Eland 99 (Network Interface Board)	Date: 25-Apr-00	No.: RG678002a

Symptom Corrected	
Disabling (Down) or enabling (Up) AppleTalk protocol from the operation panel sometimes did not take effect after the change. To avoid this, the firmware has been changed to save a new setting to the NVRAM immediately after a change.	F
One banner page data of NetWare was split into two pages when using NetWare 3.12 pserver mode.	E
In the NetWare remote printer mode, the NIB consumed a server connection license. To avoid this, the firmware has been modified to disconnect NCP connection immediately after the remote printer has connected to the server.	E
Software modified so that it can also be used for the Stinger-C.	D
On the web status monitor, an incorrect icon was used for the "Paper Empty".	C
When the NIB was already receiving five communications (five print jobs) from PCs at same time, the next print job (6th print job) disappeared.	C

Model: Eland 99 (Network Interface Board)	Date: 13-Nov-00	No.: RG678003

Subject: ROM History	Prepared by: H. Someya
From: Technical Services Dept., GTS Division	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for Eland 99 (Network Interface Board).
The software versions listed below can be used for the NIBs of the following models:
Stinger-C1/ Stinger-C1L/ Russian-C1 (B307)/ Russian-P (G038)/ FresaWIN (G678-14)/
PomeloWIN (G678-13)/ Color Controller RC-200 (G528)

G6785839	File No. (G678Rxxx)	Version	Check Sum	Production
B	001	3.7.5		1st release
C	002	3.7.7	600F	February Prod. '99
D	003	3.8.6	7DF6	March Prod. '99
E	004	3.8.7	00BB	April Prod. '99
F	005	3.8.8	6339	June Prod. '99
G	006	3.9.2	9605	July Prod. '99
H	007	3.9.8	5A35	October Prod. '99
J	008	4.0.0	6E2A	November Prod. '99
K	009	4.0.2	FF9C	April Prod. 2000
L	010	4.0.6	4B87	October Prod. 2000

Symptom Corrected	
Bi-directional communication of "diprint" (using the 9100 port of TCP/IP printing) is supported (required for the DAZEL system).	L
The "diprint direct [On/Off]" command using telnet has been implemented for supporting bi-directional communication of diprint (required for the DAZEL system). PortNavi and Multidirect Print are not supported if bi-directional communication has been selected.	L
The spelling of the command "retern" in the UNIX install shell has been corrected to "return".	L
The DHCP of NetWare5 is supported.	L
The DHCP relay agent is supported. (This has been confirmed only with the Windows NT 4.0 relay agent at this time.)	L
There may be some minor (character) display errors on the LCD while the NIB firmware is being upgraded. The firmware has been modified to prevent this.	L
HTTP access has been improved when multiple protocols are used at the same time (e.g. telnet, IPP and HTTP)	K
PCL text filter support has been added.	J

Model: Eland 99 (Network Interface Board)	Date: 13-Nov-00	No.: RG678003

Symptom Corrected	
The "RICOH" brand name has been deleted from several functions and reports.	J
An Italian wording for "Config Reference" used in the Web status monitor has been changed to "Riferim. Config".	H
A Spanish wording for "Default Gateway Address" used in the Web status monitor has been changed to "Direcci. Gateway".	H
A type of CISCO router caused a problem when browsing the NIB in an AppleTalk network. The cause of this was in the CISCO router, but the NIB firmware has been modified to fix this.	H
When a printer error occurs, the printer information cannot be accessed using Macintosh printer utilities such as the Apple Printer Utility.	G
IPP (Internet Printing Protocol) function has been added.	G
On the web status monitor, the wording in German was incorrect. "FreierSpeicher" corrected to "Freier Speicher".	F
The web status monitor displays a "No Tray/No Paper" error when a tray is not closed completely. The message in this case has been changed to "Other error".	F
Disabling (Down) or enabling (Up) AppleTalk protocol from the operation panel sometimes did not take effect after the change. To avoid this, the firmware has been changed to save a new setting to the NVRAM immediately after a change.	F
One banner page data of NetWare was split into two pages when using NetWare 3.12 pserver mode.	E
In the NetWare remote printer mode, the NIB consumed a server connection license. To avoid this, the firmware has been modified to disconnect NCP connection immediately after the remote printer has connected to the server.	E
Software modified so that it can also be used for the Stinger-C.	D
On the web status monitor, an improper icon was used for the "Paper Empty".	C
When the NIB was receiving five communications (five print jobs) from PCs at same time, the additional print job (6th print job) disappeared.	C

Model: General	Date: 13-Mar-01	No.: RGene006

Subject: ROM History (Eland 99: Network Interface Board)	Prepared by: H. Someya
From: Technical Services Dept., GTS Division	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for Eland 99 (Network Interface Board).
The software versions listed below can be used for the NIBs of the following models:

Product Name	Product Code for Mainframe	Product Code for Controller/NIB
Stinger-C1/C1L	A250	B307
Russian-C1	A265/A267	B307
Russian-P	G038	
FresaWIN	G024-57/-67	G678-14
PomeloWIN	G033	G678-13
Color Controller RC-200	A258/A259/A260 (Iris/Lilac)	G528

G6785839	File No. (G678Rxxx)	Version	Check Sum	Production
B	001	3.7.5		1st release
C	002	3.7.7	600F	February Prod. '99
D	003	3.8.6	7DF6	March Prod. '99
E	004	3.8.7	00BB	April Prod. '99
F	005	3.8.8	6339	June Prod. '99
G	006	3.9.2	9605	July Prod. '99
H	007	3.9.8	5A35	October Prod. '99
J	008	4.0.0	6E2A	November Prod. '99
K	009	4.0.2	FF9C	April Prod. 2000
L	010	4.0.6	4B87	October Prod. 2000
M	011	4.0.7	C027	February Prod. 2001

Symptom Corrected (latest ones only)	
Classless InterDomain Routing(CIDR) is supported.	M
DHCP of Solaris 2.6 is supported.	M

RICOH

Technical Bulletin

Reissued: 11-Jul-02

Model: General	Date: 11-Jul-02	No.: Gene008a

RTB Reissue

Subject: ROM History (Eland 99: Network Interface Board)	Prepared by: H. Someya
From: Technical Services sec. Service Planning Dept.	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

This RTB details the firmware history for the Eland 99 (Network Interface Board).
The software versions listed below can be used for NIBs of the following models:

Product Name	Product Code for Mainframe	Product Code for Controller/NIB
Stinger-C1/C1L	A250	B307
Russian-C1	A265/A267	B307
Russian-P	G038	
FresaWIN	G024-57/-67	G678-14
PomeloWIN	G033	G678-13
Color Controller RC-200	A258/A259/A260 (Iris/Lilac)	G528

G6785839	Version	Check Sum	Production
B	3.7.5		1st release
C	3.7.7	600F	February Prod. '99
D	3.8.6	7DF6	March Prod. '99
E	3.8.7	00BB	April Prod. '99
F	3.8.8	6339	June Prod. '99
G	3.9.2	9605	July Prod. '99
H	3.9.8	5A35	October Prod. '99
J	4.0.0	6E2A	November Prod. '99
K	4.0.2	FF9C	April Prod. 2000
L	4.0.6	4B87	October Prod. 2000
M	4.0.7	C027	February Prod. 2001
N	4.0.8	B635	August Prod. 2001
P	4.1.0	F0A3	July Prod. 2002

Symptom Corrected	
SNMP security vulnerabilities reported by CERT on Feb.12, 2002 have been tested using the PROTOS c06-snmpv1 test suite and we have verified the fixes. -CERT :http://www.cert.org/advisories/CA-2002-03.html -PROTOS c06-snmpv1 test Suite :http://www.ee.oulu.fi/research/ouspg/protos/testing/c06/snmpv1/	P
Cannot connect to NetWare Servers when the servers use NCP Packet Signature Level 2.	N