GL14
Selfdiag-Redesign
Migration Guide

GL14 Selfdiag- Redesign Migration Guide
Revision 1.0

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This Document provides clarification on existing APIs and new APIs of GL14 POS terminals.

IO Module	Existing API's GL14-UB-2009.08-795-K-3.0.bin GL14-KR-2.6.31-796-3-0.IMG GL14-RD-JFFS2-797-3-0.IMG	Default State	New API's in re-design analog board GL14-UB-2009.08-1094-1.2.bin GL14-KR-2.6.31-1095-1-0.IMG GL14-RD-JFFS2-1096-2.0.IMG	Default State	Purpose
RFID	Not applicable Not applicable	ON	tama_rffieldon (void) tama_rffieldoff (void)	ON	Power ON RF field power OFF RF field
USB-Host	Not applicable Not applicable	ON	usb_pwr_enable(void) usb_pwr_disable(void)	ON	Power ON usb-host power OFF usb-host
Audio	Not applicable Not applicable	ON	audio_pwr_enable (void) audio_pwr_disable (void)	ON	Power ON audio device Power OFF audio device
Mags wipe	Not applicable Not applicable	ON	mscr_pwr_enable (void) mscr_pwr_disable (void)	ON	Power ON magswipe device Power OFF magswipe device
WIFI	Not applicable Not applicable Not applicable	ON	wifi_enable(void) wifi_disable(void) wifi_rfpower_on(void) wifi_rfpower_off(void)	OFF	Enable wifi functionality Disable wifi functionality Power on the RF section of wifi Power OFF the RF section of

	wlan0		ra0		wifi Wifi instance
			All other APIs are same		

Note for re-design analog board:

1.
Wi-fi and USB-B are mutiplexed in hardware.
When wi-fi is disabled then only USB-B functionality will work.

2.
If existing terminal is not using wi-fi feature then there is NO need to modify application image.

3.
When wi-fi is enabled, 20 mA more power will draw from the battery irrespective of data communication

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