

BioEntry™

Firmware Revision Notes

Version 1.6.2



Revision Notes

Firmware Version 1.6.2 **Build Number 06080800 for Smart** 2006-08-18
Build Number 06081000 for Pass

- This firmware revision is to clear an instability issue of BioEntry TC and FC with firmware 1.6 that has been reported in a software reset of BioEntry or repeated fingerprint scanning with a high number of enrollments. Though this is a rare case, it is recommended to update the firmware for BioEntry TC and BioEntry FC with firmware 1.6 or 1.6.1.
- The default parameter of Security Level was changed to “Automatic Normal”. At this level, the FAR is automatically adjusted to maintain 0.01% (1/10,000) irrespective of the number of enrollments.

Firmware Version 1.6.1 **Build Number 06061300 for FC** 2006-06-07
Build Number 06060300 for OP and TC

- This firmware revision was made according to the firmware revision made for SFM3000 series modules. For SFM3000 series modules, a bug was observed that some modules with RAMSWAY SDRAM manufactured between April and May 2006 might hang when Free Scan mode is on. This bug has not been observed for BioEntry based on SFM3500 series modules. However, a new firmware has been released to get rid of any potential possibility.

Firmware Version 1.6 **Build Number 06040400** 2006-4-18

- The updates in V1.6 firmware of SFM3500 series are incorporated.
- In Normal mode, 1:N matching algorithm gets much faster without any performance degradation. The new algorithm is about two times faster than older versions. Since new Normal mode is faster than old Fast mode 1 for FC, fast mode setting is adjusted accordingly. New Fast mode 1 is equivalent to old Fast mode 2, new Fast mode 2 to

old Fast mode 3, and so on. The Fast modes for OP and TC models haven't been changed.

- Time Schedule and Access Group are added.
- The default security level is changed to Auto Normal from 1/100,000.
- **BioEntry Smart** The minimum security level of a user is lowered to 1/1,000.
- **BioEntry Pass OP and BioEntry Smart OP** By tuning the sensor driver, the authentication performance is enhanced especially for dry fingers.

Firmware Version 1.5**Build Number 05111100**

2005-11-11

- The updates in V1.5 firmware of SFM3500 series are incorporated.
- ABA Track II output is supported.
- The following bugs are fixed.
 - The status LED is turned off after handling commands from GPIO inputs.
 - The status LED does not show the results of enroll/identify/verify commands properly if these commands are from serial interface.
 - In processing Write Configuration command cards, the module hangs if an invalid card is detected.

Firmware Version 1.4.4**Build Number 05100500**

2005-10-05

- **BioEntry Pass TC and BioEntry Smart TC** The sensor driver is updated to enhance the ESD characteristics of the reader.

Firmware Version 1.4.3**Build Number 05090700**

2005-09-07

- The sensor drivers and bootloader are updated to accommodate the changes in the SFM3500 series modules.

- **BioEntry Pass OP** The sensor driver is updated to enhance the EMI characteristics of the reader.

Firmware Version 1.4.2 **Build Number 05083000** 2005-08-30

- **BioEntry Pass OP** The Sensor driver and bootloader are updated to accommodate the changes in the SFM3520 module.

Firmware Version 1.4.1 **Build Number 05081800** 2005-08-18

- Created.