

TECHNICAL NOTE 011

HID iClass /iClass -SE READER MODULES

Grosvenor Technology includes support for HID iClass 13.56MHz contactless smartcards within its range of IT31, IT51, RS09 and RS21 workforce management terminals.

HID has discontinued its existing iClass OEM module and replaced it with a new version (iClass SE). With effect from August 2016, Grosvenor Technology is introducing a new reader module based on iClass SE which will supersede the current range of iClass modules. The part code for the new reader module is: **RM-ICLSE-IT/RS**.

A new release of IT Series firmware, version 2.5.0 has been issued to enable support for the new iClass SE reader module.

This technical note is intended to clarify the compatibility status of the new iClass SE reader module with older versions of IT-Series firmware and RS-Series terminals.

IT31/IT51 SERIES TERMINALS

- iClass SE reader modules may be connected to IT51 terminals using either the serial or Wiegand interface connections.
- Where the iClass SE reader module is connected via the serial interface, IT 51 terminals must be upgraded to firmware release IT5100-2.5.0 or later. IT31 terminals must be upgraded to firmware release IT3100-2.5.0 or later.
- For terminals fitted with firmware version 2.4.0 or below, iClass SE reader modules must be configured using the Wiegand interface. This can be set up in the menu function:

Terminal Setup → Settings → Reader

And then set:

Reader type: Wiegand

Auto detect

- Note, it is not possible to use the iClass SE reader module to read Mifare cards/tokens when connected to the terminal using the Wiegand interface. Customers wishing to use this combination of reader module and card type will need to upgrade firmware to release 2.5.0 or later and connect the reader via the serial interface.

RS09, RS21 AND IT55 SERIES TERMINALS

- Backwards compatibility between iClass SE reader modules and RS09/RS21/IT55 terminals is provided by connecting the reader module via the Wiegand interface connection.
- The use of iClass SE reader modules with Mifare cards/tokens is no longer supported for these units as it is not possible to use the iClass SE reader module to read Mifare cards/tokens when connected using the Wiegand signal. Customers wishing to use Mifare cards/tokens with RS09, RS21 and IT55 terminals should purchase a Mifare reader module.