Encoding iCLASS Badges with Multiple Applications

Product Name

Encoding iCLASS Badges with Multiple Applications

General Information

When an iCLASS RW400 programmer initializes a non-configured/non-programmed iCLASS badge, it secures the first application area of the badge with the HID site key. This is done so that the badge can be encoded with the HID access control application in OnGuard and be compatible with HID readers.

Only iCLASS RW400 programmer models **6121BKN0000PRGL** or **6121AKN0000PRGM** can do this.

If the card is initialized in any manner other than writing the HID access control application in OnGuard, it can no longer be used for HID access control with the HID site key.

When performing inline encoding with a badge printer, OnGuard encodes the HID access control application first. However, the order of encoding cannot be controlled in standalone or multiple device encoding scenarios (for example, HID and Bioscrypt V-Smart). Therefore, it is necessary to ensure that the HID access control application is encoded first when performing manual, standalone encoding.

If the Bioscrypt V-Smart application is encoded on an iCLASS card, the following memory configurations are possible:

16KBits/16 Application Areas
16KBits/16 Application Areas (Custom Key)
16KBits/2 Application Areas
16KBits/2 Application Areas (Custom Key)

If the custom key memory configurations are chosen, the HID access control application is secured with a generic, non-HID site key. Further attempts to encode the HID access control application are only possible with the Lenel site key, or a custom site key, but not the HID site key.

Applies To

OnGuard (All versions)

Additional Information

None