

# CoreStreet FIPS-201 F5 Module

Universal FIPS-201 hardware module for access control systems

The CoreStreet FIPS-201 F5 Module is a key component of the CoreStreet FIPS-201 F5 Solution which upgrades physical access control systems (PACS) to HSPD-12 compliance.

## Features and Functionality

- Validates PIV, TWIC, FRAC, and CAC (legacy, NG, EP) cards
- Validates cards at controlled, limited, or exclusion assurance levels as defined in SP 800-116 – supports all authentication mechanisms (CHUID, CAK, BIO, PKI)
- Validates TWIC cards at the 4 authentication modes
- Checks status to deny access for revoked cards (OCSP/CRL or TWIC hot list)
- Captures and stores PKI certificates the first time a card is read for periodic path and status validation
- Captures and stores the TWIC Private Key (TPK)
- Outputs badge ID for valid cards and a preset ‘invalid’ badge ID for invalid cards in Wiegand format (configurable)
- Output relays can be set to trigger on valid or invalid card reads
- Supports a range of commercially available card readers – contact and contactless card-only, card+PIN, card+bio, card+PIN+bio
- Re-uses existing reader wiring for serial connection to supported readers – no network connection required at the reader
- Functions offline if communication with the CoreStreet FIPS-201 F5 Management Station (F5MS) is interrupted – caches all required validation data
- Firmware updates pushed from the F5MS to all F5 Modules – no field updates required

## Specifications

- Supports up to 250,000 cardholders
- Memory: 2GB SD card (standard)
- Web interface for initial configuration of F5 Module network settings and hardware options
- Input Power: 8-30 VDC, 350mA
- Reader Port Output Power: 12VDC, 350mA



*CoreStreet FIPS-201 F5 Module*

- Board Size: 5.5 x 6.5 in.
- Environmental Range: 0°C to 70°C (32°F to 158°F); 0 to 95% RHNC
- Battery backed real time clock
- FCC Class A compliant
- RoHS compliant
- FIPS 140-2 certification (in process)
- UL 294/1076 listed (in process)
- CE marked (in process)
- Made in the USA

## Security

- All TCP ports closed except a single port that accepts requests only from F5MS after authentication
- Communicates with F5MS via 256-bit AES encrypted Ethernet TCP/IP
- Web interface for initial F5 Module configuration is enabled and disabled with a DIP switch setting
- Uses RSA BSAFE cryptographic libraries

## Availability

For more information on the CoreStreet FIPS-201 F5 Solution, contact us or visit our website at [www.corestreet.com/F5](http://www.corestreet.com/F5)