

Card-Connected™ CHIP for Lenel

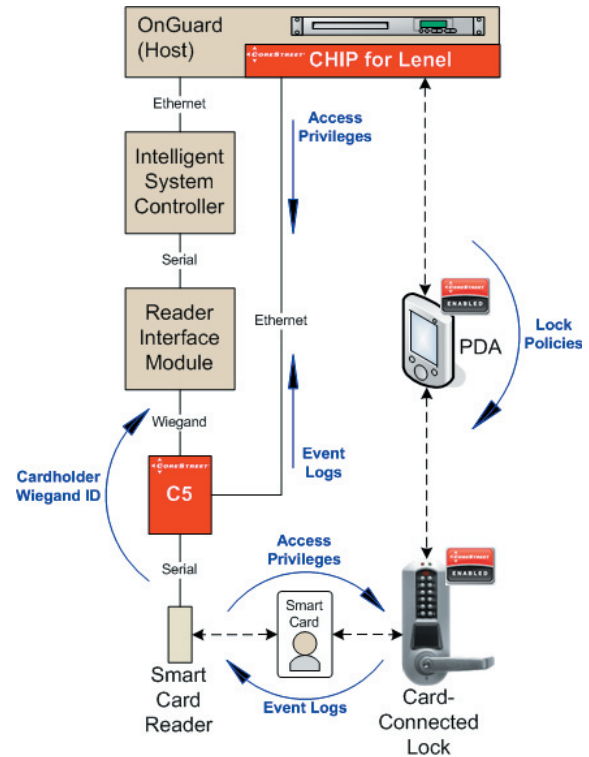
Card-Connected CHIP for Lenel software for single- or multi-region Lenel OnGuard® systems

Overview

CoreStreet's Card-Connected CHIP for Lenel (CHIP) is software that integrates Card-Connected functionality to OnGuard as shown in the diagram to the right. Running as a service, CHIP is the integration layer between OnGuard and Card-Connected locks. For ease of use, Card-Connected locks and virtual panels are added, managed, and monitored in OnGuard in the same way as traditional wired access points and connected panels.

Features

- Enables the use of Card-Connected locks with Lenel OnGuard (Version 5.12 and later)
- Integrates through OnGuard DataConduIT (OpenIT)
- Sends Card-Connected lock event logs, collected from cardholders by C5 units, to OnGuard
- Updates cache of digitally signed cardholder privileges (access levels) on C5 units when privileges are added, changed, or revoked in OnGuard
- Updates a Hot Refresh List (HRL) on C5 units when privileges are changed or revoked in OnGuard – the HRL propagates virally to the locks via smart cards to deny access when cardholder privileges are removed
- Uploads access policies to a PDA or administrator smart card for updating Card-Connected locks
- CHIP Client provides administration of Card-Connected access control settings and initialization of cardholder smart cards
- Functions with DESFire and MIFARE smart cards



Card-Connected Access Control system architecture

Security

- Digitally signs data sent to locks using strong RSA® public-key cryptography – Card-Connected locks verify the signatures
- Communicates with C5 units via AES encryption over Ethernet TCP/IP
- CHIP Client login is controlled by user settings in OnGuard

Specifications

CHIP Server Requirements

- Microsoft Windows Server 2003, Service Pack 2
- RAM – 2GB
- Disk Space – 250GB
- Supporting Software Applications:
 SQL Server 2000 or 2005
 .NET 3.0 Runtime
 Visual Studio Runtime Support Library (vcredist_x86)

CHIP Client Requirements

- Microsoft Windows XP, Service Pack 2
- USB Port for Smart Card Reader
- USB Smart Card Reader

Communication Ports

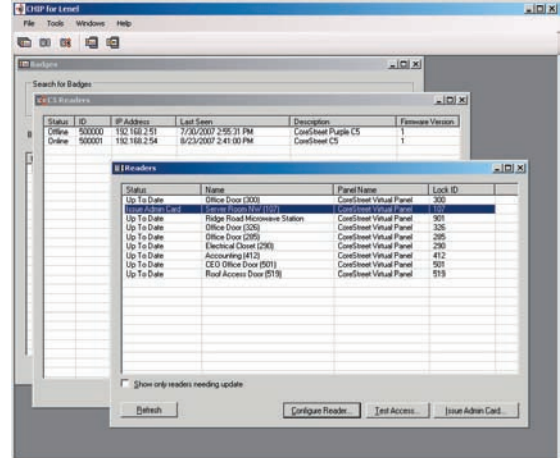
- Host TCP/IP Port
- C5 TCP/IP Port

UL 294 listed (in process)

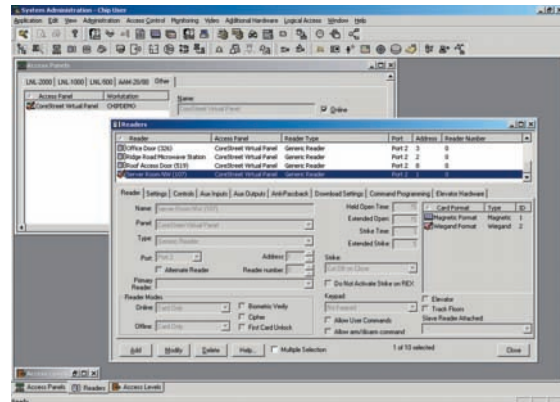
Lenel Certified (in process)

Availability

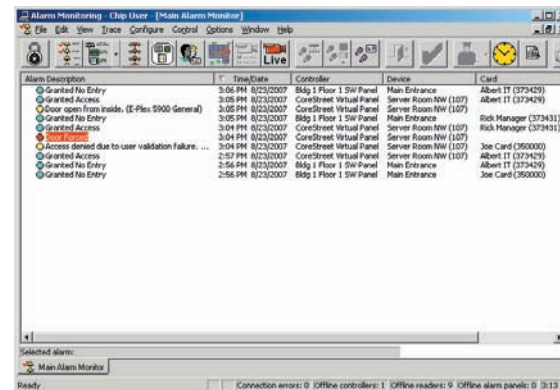
To learn more about Card-Connected solutions, visit our website at www.corestreet.com/cc or contact us at +1 617.661.3554 or info@corestreet.com. CHIP will soon be available for other access control systems – check our website for the latest information about availability or contact us to find out if Card-Connected is available for your system.



Managing Card-Connected settings with CHIP for Lenel Client



Card-Connected Locks and Virtual Panels configured in Lenel OnGuard



Lenel Alarm Monitor shows Card-Connected Lock Events and Alarms