



<http://www.cfxworks.com/>

770-441-0952

NovaXpress 400™:

Why pay several thousand dollars for a payment card solution for your iSeries when for a fraction of the cost you can be using **NovaXpress 400™**? **NovaXpress 400** is a rewritten, enhanced and recertified version of the payment card gateway CFXWorks originally released in 2003 and distributed through resellers. It currently is in use by nearly one hundred iSeries users. CFXWorks' original product name was **CFXNova AS/400™**, however most of our resellers sold this product under their own product name. **NovaXpress 400** provides iSeries programmers access to both a payment card and an encryption solution using data queues. RPG programmers access these capabilities using data queues.

Why Install or Upgrade to NovaXpress 400:

New Certification – The original CFXNova code was **IBM** and **Elavon** (formally Nova Information Systems) certified from 2003 through 2007. It was also PCI DSS certified in the 2007 timeframe. Due to changes in PCI-DSS and to Elavon's gateway specification, we recently recertified NovaXpress 400 to validate that is compliant with both PCI-DSS and with the current Elavon gateway specification. **CFXWorks will not update or maintain any certifications for the outdated CFXNova AS/400 offering.**

New Features - The new **NovaXpress 400 Version 16** product contains several **new features** that are worth consideration:

- Trustwave has completed 3RD party security testing, including a review of our source code to validate our compliance with PCI-DSS.
- Updated to reflect changes made in Elavon's gateway specification.
- Elavon certification for Gift Cards.
- Elavon certification for Check Cards.
- Elavon certification for Mail Order/Telephone Order (MO/TO).
- IBM iSeries certification for V6R1.
- Support for both 128-bit and 256-bit AES encryption.
- Support for MD5 digests.
- Convenience fee support for Government and Institutions.

Summary of NovaXpress 400 Features:

Payment Card Features:
Operating Features: <ul style="list-style-type: none">• Uses the Internet to send transactions directly to Elavon (formerly NOVA Information Systems) for processing.• Eliminates all 3rd party processors allowing the merchant to negotiate their own fee structure directly with Elavon rather than with a 3rd party processor who typically adds additional processing fees.• Eliminates 3rd party fees, security vulnerabilities, performance issues and reliability issues.
Security Features Supported: <ul style="list-style-type: none">• PCI-DSS validated August 2009.• Encrypts (256-bit AES) and digests (MD5) sensitive card data.• Provides support for LUHN formula (Mod 10) validation.• Provides payment card number masking.• Supports AVS, CVV2, Verified by Visa and MasterCard Secure.• Deploys HTTPS to communicate to Elavon server.• Supports an HTTPS connection to the iSeries data queues.

<p>Elavon Market Segments Supported:</p> <ul style="list-style-type: none"> • Retail • eCommerce • Mail Order/Telephone Order
<p>Payment Cards Supported:</p> <ul style="list-style-type: none"> • Credit, Debit, Purchase Gift and Check Cards. • All major issuers including Visa, MasterCard, Discover, American Express.
<p>Transaction Types Supported:</p> <ul style="list-style-type: none"> • Credit Card - SALE, PRE-AUTHORIZATION, FORCE, CREDIT and VOID • Purchase Card – SALE, CREDIT, PEAUTH and FORCE • Batch – CURRENT, PREVIOUS, PURGE and SETTLEMENT • Gift Card – ACTIVATION, SALE, CREDIT, INQUIRY, REPLENISH, REFUND, CURRENT and BATCH
<p>Certifications:</p> <ul style="list-style-type: none"> • Trustwave has completed 3rd party security testing, including a review of our source code. • Elavon Certification for Credit, Debit, Purchase, Gift and Check Cards. • IBM certification for iSeries V6R1 operating system.
<p>Shopping Cart Connector:</p> <p>Support for shopping cart integration using data queues.</p>

NovaXpress 400 Crypto Features:

<p>Encryption Features:</p> <p>Algorithms Supported:</p> <ul style="list-style-type: none"> • AES 128-bit and 256-bit encryption. • AES 128-bit and 256-bit decryption. • MD5 message digests.
<p>Capabilities Automatically Enabled:</p> <ul style="list-style-type: none"> • Automatically digests and encrypts credit card numbers, card names and card expiration dates using 256-bit AES encryption and returns these values in the response data queue.
<p>Additional Capabilities Available To iSeries Programmers:</p> <ul style="list-style-type: none"> • Provides native iSeries programmers access to 128-bit and 256-bit AES encryption • Provides native iSeries programmers access to MD5 message digests.

Special Feature For Government and Institutions:

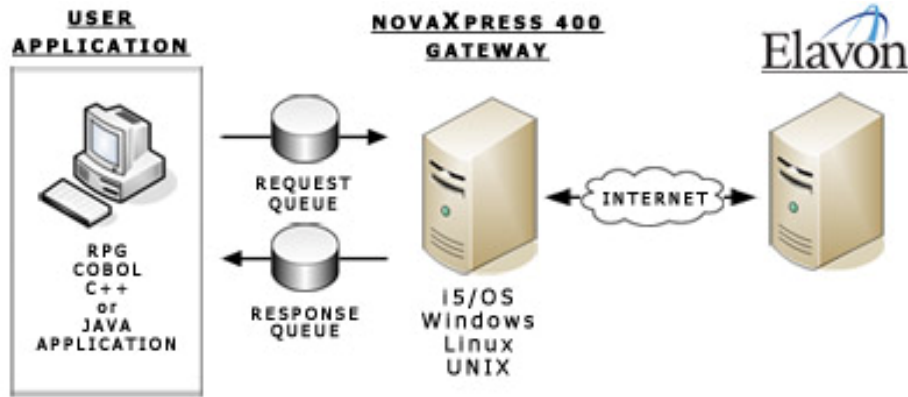
<p>Convenience Fee Feature:</p> <p>Calculation and Validation:</p> <ul style="list-style-type: none"> • Calculates and validates convenience fees based on rules imposed by Visa, MasterCard, Discover and American Express. • Supports Tax, College/University, Elementary Schools, Courts, Fines, Misc Government Services. • Supports Fixed (flat fees), Percent, Tiered and scaled calculations. • Supports caps imposed by Visa and by the agency or institution. • Configured using a configuration file. • Implemented as a data queue service.
<p>Convenience Fee Processing:</p> <ul style="list-style-type: none"> • Automates the process of processing convenience fees where separate transactions are required for the primary amount and convenience fee. • Automates the process of voiding the convenience fee transaction if the primary transaction fails. • Implemented as a data queue service.

NovaXpress 400 Value:

- Trustwave has completed 3rd party security testing, including a review of our source code.
- An affordable payment card and a cryptography solution in one offering.
- IBM certified across numerous IBM hardware and software platforms.
- Certified to the Elavon network.
- Convenience fee calculation and validation.

NovaXpress 400 Deployment:

NovaXpress 400 can be run native on the iSeries, or it can be deployed as an application appliance running on a Windows or Linux system connected to your network. Communication between native applications and **NovaXpress 400** is done using data queues as illustrated below:



NovaXpress 400 Product Availability:

NovaXpress 400 is available at the following prices to organizations that acquire their merchant account through Elavon and register this account under Vender ID MA13001:

Annual License & Support Fees:	
Windows or Linux	\$995
iSeries	\$1995

Support includes required updates to maintain consistency with PCI-DSS and to maintain product certification to the Elavon network. Pricing includes support for up to 10 merchant accounts or 10 Terminal IDs. If you wish to use an existing Elavon merchant account, call CFXWorks for pricing.

Commercial Merchant Accounts: For merchant account discussions please contact Lewis Pergament at Elavon.

Government or Institutional: For merchant account discussions please contact Jeremy Krahl.

Commercial Accounts:

Lewis N. Pergament
Relationship Manager
Office: (516) 679-5919
Fax: (516) 826-4559
lewis.pergament@Elavon.com

Government or Institutional Accounts:

Jeremy G. Krahl
Regional Manger
Office: (865) 693-1231
Fax: (865) 403-5408
Jeremy.krahl@elavon.com

