



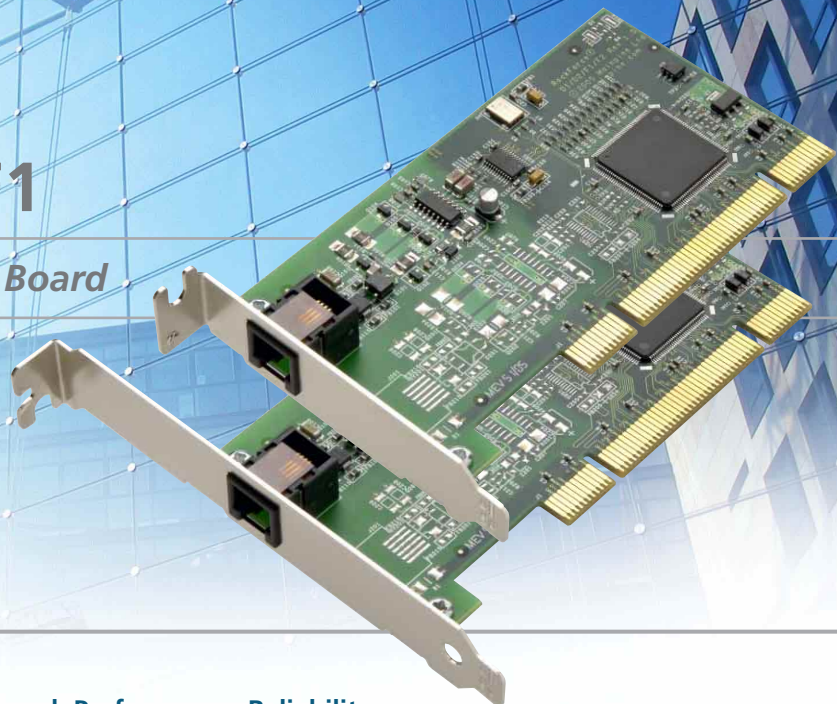
# MAINPINE

Faster, Smarter Communications Devices

## RockForce IQ™ - F1

### One Port Intelligent Analog Fax Board

The newest addition to the intelligent fax board lineup, the RockForce IQ™ provides customers with the speed, reliability and performance of enterprise-class fax hardware at an exceptional price-to-performance guarantee.



### Feature Highlights

- **Turbo Speed**  
Fastest connection and transmission rates in the intelligent fax board industry
- **Superior Performance with Intellichannel**  
Dedicated 30 MIPS CPU and 55 MIPS DSP per port
- **Best-In-Class Hardware Design**  
Universal PCI and PCI-X Compatibility
- **Full Scalability**  
Unlimited number of cards can be operated concurrently
- **Native Operating System Support**  
Microsoft Windows and Linux
- **Ultra Quick and Simple Installation**  
Fully Plug and Play compatible, no manual configuration required
- **Superior Reliability**  
Mean Time Between Failure (MTBF) of 96 years
- **Environmentally Friendly Product by Design**  
Exceeds Requirements of European, Japanese, and US State Environmental Legislation
- **Peace Of Mind**  
30 Day Satisfaction Guarantee, 5 Year Hardware Warranty, Optional Express Replacement Service

### Speed. Performance. Reliability. Unmatched in the Intelligent Fax Hardware Industry.

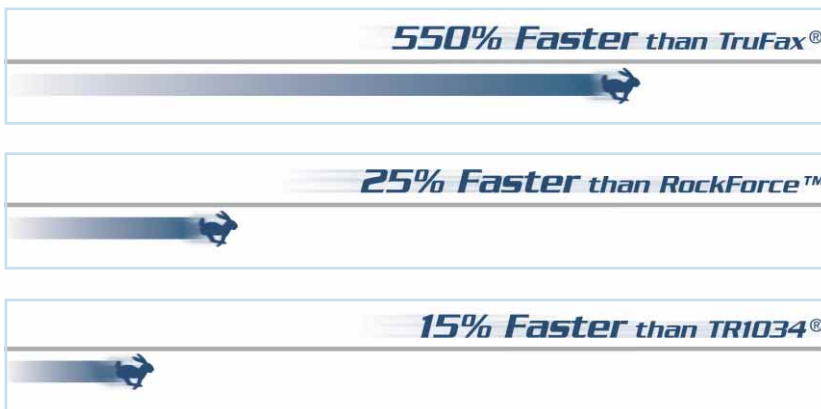
With the introduction of the RockForce IQ™ series of intelligent analog fax boards, Mainpine integrates the highest levels of speed and reliability that the industry has to offer.

The turbo speed of the RockForce IQ™ intelligent card can be attributed to Intellichannel technology. This fully scalable architecture provides each port with its own dedicated Controller (CPU) and Digital Signal Processor (DSP).

While other intelligent fax board manufacturers have multiple channels sharing CPU and DSP resources, RockForce IQ™ cards have a dedicated 30 MIPS CPU and a separate 55 MIPS DSP for each port. This innovative design architecture provides superior levels of speed, performance and reliability.

### Speed Revolution with the RockForce IQ™

The RockForce IQ™ series takes send and receive fax speeds to new levels of performance. Benchmark comparison tests prove the RockForce IQ™ is the fastest intelligent fax board on the market.



\* Test comparison data conducted in Mainpine's Certification Laboratory, June 2006. Tested on the highest compression and speeds available for each board. Log files available upon request.

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## RockForce IQ™ - F1

### One Port Intelligent Analog Fax Board

#### Based on V.34 Fax Standard

The RockForce IQ™ supports high speed V.34 Super Group 3, providing facsimile send and receive speeds up to 33600 bps.

V.34 fax sends and receives faxes at more than double the speed of the V.17/14400bps standard. When V.34 is combined with advanced document compression a typical 60-second high resolution fax (V.17) can be sent in less than 12 seconds.

#### Security

Unlike budget modems, the RockForce IQ™ is completely dedicated to fax communications, eliminating security vulnerabilities posed by alternative devices.

#### Application Certified

Leading fax applications have been rigorously tested by Mainpine's Certification Laboratory to ensure the highest levels of interoperability.

#### Miniature Board Profile

Unlike alternative fax boards, RockForce IQ™ intelligent boards fit into any full or half size PCI or PCI-X slot in any PC or Server.

This innovative compact and compatible design ensures these high-performance boards are available for a range of systems, giving users ultimate flexibility. An optional low profile bracket even lets the RockForce IQ™ be installed in a IU rack mountable computer.

A RockForce IQ™ intelligent fax board delivers more board features in less space. At under 5" in length, the RockForce IQ™ takes up to 60% less room than other fax hardware options. Designed for demanding fax applications, the RockForce IQ™ board gives organizations of all sizes exceptional performance in a truly innovative design.

#### Scalable

Select the number of intelligent RockForce IQ™ cards to meet today's messaging needs. As demand grows, simply add more cards to your system to lower your total cost of ownership. Any number or combination of RockForce IQ™ boards may be operated concurrently.

#### Universal PCI Plug & Play

PCI 3.0 Plug and Play compliance ensures that there are no switches or jumpers to set. The board simply installs with the operating system's standard procedures and installation wizards. Universal PCI support enables use with 3.3V/5V, 32/64Bit, 33/66Mhz, and PCI/PCI-X system slots, ensuring compatibility with any system.



Cantata TR1034® (315mm x 107mm)



Cantata TruFax® (190mm x 107mm)



RockForce IQ™ (120mm x 64mm)

### Technical Specification

#### Fax

- ITU-T V.34 (Super G3), V.17, V.29, V.27 ter, V.21 ch. 2, and V.8 Call Establishment
- ITU-T T.30, T.31 (Service Class 1/1.0)
- ECM Error Correction Mode
- MH, MR, MMR, JBIG and JPEG Compression
- Normal, fine and super fine resolution

#### Hardware

- 30 MIPS CPU per port
- 55 MIPS DSP per port
- Global DAA
- Software controlled hardware reset per port
- Software readable 48bit serial number
- Single interrupt per board
- Power consumption: Less than 1 Watt
- Mix-and-match RockForce and Third-party hardware

#### Line interface

- POTS: One RJ11 Connector
- PCI/PCI-X: Universal 5V and 3.3 signaling

#### Physical Description

- 132mm x 80mm (Low Profile Bracket)
- 132mm x 120mm (Standard Profile Bracket)

#### Environmental

- Operating temperature: 0° - 50° C
- Storage temperature: -20° - 85° C
- Relative humidity: 10% - 80%
- Non-condensing Altitude: 0 - 3660m

#### Operating Systems

- Windows XP
- Windows 2003
- Windows 2000
- Windows Vista
- Linux

#### Standards & Approvals

- Manufacturing: BS EN ISO 9001:2000
- Telecom: TIA 968-A (FCC Part 68), IC CS03, TS 103 021 (TBR21)
- EMC: FCC Part 15, ICES-003, EN 55022, EN 55024
- Safety: UL 60950, CSA 60950, EN 60950
- Environmental: EU 2002/95/EC ("RoHS"), EU 2002/96/EC ("WEEE"), EN 50419
- CE Mark
- PCI 3.0

#### Service and Warranty

- 30-Day satisfaction guarantee
- 5-Year hardware warranty
- Express Replacement hardware option

#### RockForce IQ™ - F1 Order Information

- RF2105 (Low Profile PCI Bracket)
- RF2106 (Standard Profile PCI Bracket)

Authorised dealer



### About Mainpine

Mainpine products have earned a reputation for speed, performance and reliability. With its attractive price to performance guarantee, the RockForce platform offers cutting-edge hardware design at a small business value.