



FPR2402-CiB Series

FIX Protocol Router Appliance

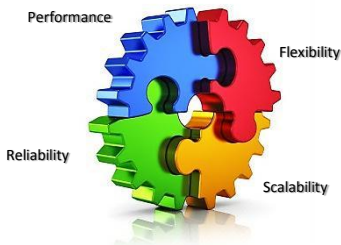


2U Rack Mount (*1)

Deploying a **FIX Protocol Router** solution can significantly reduce both capital and operating expenditures associated with financial trading networks.

Take advantage of centralized FIX session management; dynamic load balancing coupled with High Availability (HA) operating modes providing flexible, reliable and scalable, low latency message routing.

The **FPR2402-CiB** Cluster-in-a-box provides a fully pre-configured and pre-installed, high-availability FIX protocol routing environment within one chassis. The **FPR2402-CiB** offers a two-node high-availability Cluster-in-a-Box solution for business continuity without the cost and complexity of traditional SAN solutions.



Key Features

- Supports FIX protocols 4.0 and higher.
- FIX protocol version configuration per session.
- 2048 fully redundant inbound and outbound concurrent sessions.
- Inline message packet inspection / modification.
- FIX session consolidation, combine multiple inbound sessions into one outbound stream.
- Application (Layer-7) message routing using FIX header tags (i.e. SenderCompID).
- Dynamic Load Balancing of message flow.
- High Availability operating modes.
- Modular hot-swappable router node.
- High efficiency Redundant Power Supplies.
- Health status reporting via SNMP protocol.
- Industry standard rack mount 2U appliance.



System Specification

FIX Session (per node)

- 2048 inbound and outbound concurrent sessions
- Routing 200,000 messages per second

Ports (per node):

1x IPMI 2.0 port (KVM over LAN, Lights Out Management).

2x 10Gbe (RJ45) ports (standard).

Port expansion options:

- Option 1: x4 extra 10Gbe ports (RJ45).
- Option 2: x4 extra 10Gbe ports (SFP+).
- Option 3: x2 extra 40Gbe ports (QSFP+).
- Option 4: x8 extra 10Gbe ports (RJ45).
- Option 5: x8 extra 10Gbe ports (SFP+).
- Option 6: x4 extra 40Gbe ports (QSFP+).

Drives (per node):

2x Solid State Drive (standard - 128GB) RAID 1

2x SATA Hard Drives (standard 3TB disk) RAID 1

Chassis

Industry standard 2U form factor, Rack mount.

Height: 3.47" (88mm) **Width :** 17.25" (438mm)

Depth : 28.5" (724mm) **Gross Weight:** 85lbs / 38.6 kg

System Cooling

Fans: 4x 80mm PWM cooling fans.

Power Supply:

1400W high efficiently (1+1) redundant power supply.

AC Inputs: 1100W output @ 100-140V, 13.5-9.5A 50-60Hz

1400W output @ 180-240V, 9.5-7.0A, 50-60Hz

Certification :



Operating Environment/Compliance

- RoHS compliant.
- Operating Temperature: 10°C to 35°C (50°F to 95°F).
- Non-operating Temperature -40°C to 70°C (-40F° to 158°F).
- Operating Relative Humidity 8% to 90% (non-condensing)
- Non-operating Relative Humidity 5% to 95% (non-condensing).

Deploying a FIX Protocol Router solution brings significant benefits to a trading network.

Here are just a few examples:

✓ Performance

Better utilization (increased capacity) of existing network infrastructure, by use of dynamic load balancing, reducing CapEx costs.

✓ Flexibility

Faster on-boarding of new clients using centralized session management, resulting in easier network administration and lower OpEx costs.

✓ Scalability

Increase future routing capacity by adding product options (in the field) using after-sale hardware and software licence upgrades.

✓ Reliability

Avoid trading session outages when network components fail by using High Availability strategies for provisioning alternate routing paths.

To learn more about our solutions please visit our website www.inceptrum.com

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Footnote : *1) SUPERMICRO A+ Twin² Server hardware platform.