GE Fanuc IC694BEM320
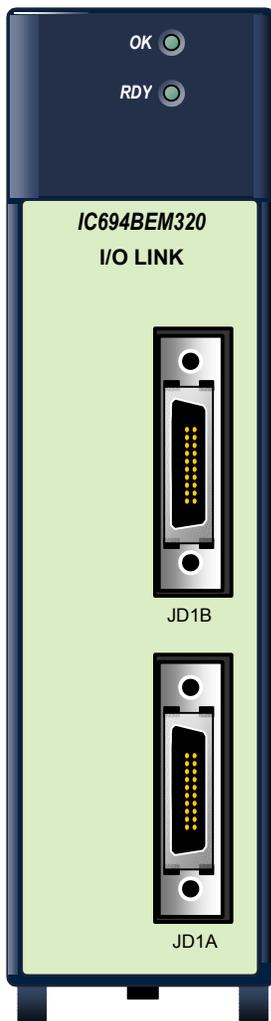
Rx3i PacSystem

RX3i Communication Module, I/O Link Interface Module (Slave).
IC694B IC694BE IC694BEM

I/O Link Interface Module: IC694BEM320

OK ⊙
RDY ⊙

IC694BEM320
I/O LINK

JD1B

JD1A

The RX3i I/O Link Interface Module operates as a slave on a Fanuc I/O Link network. It can exchange either 32 or 64 inputs and outputs with the master. Typical masters on the I/O Link include all modern FANUC CNCs and Power Mates, PACSystems controllers and Series 90 PLCs equipped with an I/O Link Master Module.

An I/O Link Interface Module occupies one module slot in an RX3i backplane. It can be installed in any available backplane slot.

The maximum number of I/O Link Interface Modules that can be installed in the backplane depends on the power that is available from the power supply. To determine the exact number of modules allowed in your system, see the information on power supplies in chapter 3.
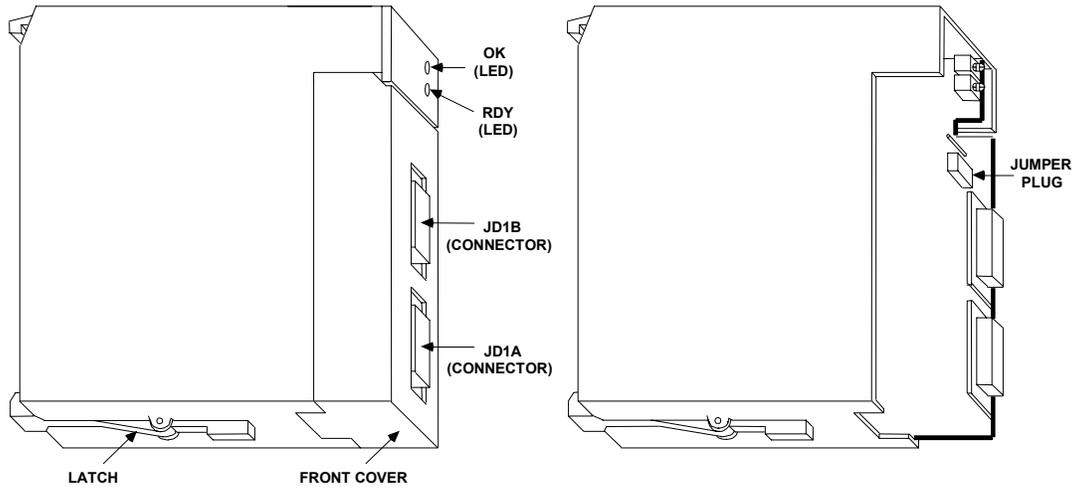
Usually, when there are multiple I/O Link Interface Modules in the same RX3i system, they are on separate I/O Links. However, it is possible to have more than one I/O Link Interface Module in the system connected to the same link, if that suits the needs of the application.

Module Specifications

Module type	Series 90–30 PLC module, providing I/O Link communications with I/O master.
LEDs	OK, RDY
I/O Points	32 or 64, jumper selectable
+5V current	without Optical Adapter connected: 205mA with Optical Adapter: 405 mA
User Manual	*RX3i I/O Link Interface Modules User's Manual*, GFK-2358

Module Description

The module's front cover is removable. A jumper plug inside the front cover is used to set up the module as a 32–point or 64–point I/O module. The factory default is 32.

OK
(LED)

RDY
(LED)

JD1B
(CONNECTOR)

JD1A
(CONNECTOR)

JUMPER
PLUG

LATCH   FRONT COVER

JP1

1 ☐ **32**

2   **I/O**

3 ○ **64**

To select 32 inputs and outputs, the jumper should be on the top and middle pins as shown at left.

To select 64 inputs and outputs, the jumper should be on the middle and bottom pins.

LEDs

The module has two LEDS that show its operating, and communications status.

OK: indicates the module's operating status.

RDY: indicates the module's communications status.

After power–up, the OK LED should remain ON. The RDY LED turns ON after the I/O Link master has established communications with the module.

Serial Ports

The front of the module has two 20–pin connectors that are used to attach the I/O Link cable. One connector is for the cable to the previous device on the link—either the master or another slave. The other connector is for the cable to the next slave on the link, if there is one. See the *RX3i I/O Link Modules User's Manual*, GFK-2358 for more information. Signal levels are RS422/485 compatible.