



### Expansion Modules for Local and Remote I/O

The RX3i supports various expansion options for local and remote I/O to optimize configurations. The RX3i can be expanded up to 8 expansion bases using local remote expansion module. The RX3i also supports Ethernet remote I/O using the RX3i Ethernet Network Interface module (IC695NKT001) Series 90-30 Ethernet Network Interface module (IC693NIU004) for more distributed I/O.

	IC695NKT001	IC693NIU004	IC695LRE001
<b>Product Name</b>	PACSystems RX3i Ethernet Remote I/O Expansion Kit. Kit includes a NIU001 with two built-in serial ports and ETM001	PACSystems RX3i Ethernet Remote I/O Expansion (Slave)	PACSystems RX3i Expansion Module
<b>Lifecycle Status</b>	Active	Active	Active
<b>Module Type</b>	Ethernet Communications (Supports redundant Ethernet modules)	Ethernet Communications	High Speed Serial Expansion Module
<b>Backplane Support</b>	Universal Backplane Only. Uses PCI Bus.	Compatible with Series 90-30 bases only	Universal Backplane Only
<b>Number of Slots Module Occupies on Backplane</b>	3 (2 for NIU and 1 for Ethernet module)	N/A	No I/O slot used
<b>Built-in Communication Ports</b>	RJ-45 with built-in switch. 1 RS-485 port and one RS-232 port. Supports SNP, Serial I/O, Modbus Slave and Modbus Master	N/A	N/A
<b>I/O Discrete Points</b>	2048 Inputs/2048 Outputs maximum	2048 Inputs/2048 Outputs maximum	N/A
<b>I/O Analog Points</b>	1264 Inputs and 512 Outputs maximum	1264 Inputs and 512 Outputs maximum	N/A
<b>User Logic Memory</b>	5Kbytes of local logic	No local logic	N/A
<b>Network Data Rate</b>	10/100Mbit ports (RJ-45)	10/100Mbit ports (RJ-45)	1 Mbaud
<b>Entity Type</b>	Slave	Slave	Master
<b>Network Distance</b>	Network Dependent	Network Dependent	Up to 700 feet (213 meters)
<b>Bus Diagnostics</b>	Supported	Supported	Yes
<b>Number of Drops Supported</b>	Network Dependent Each Ethernet NIU can also support up to 7 additional local I/O racks (IC694CHSxxx)	Network Dependent Each Ethernet NIU can also support up to 7 additional local I/O racks (IC694CHSxxx)	Supports 7 local expansion racks. Discrete I/O: Maximum 320 In, 320 Out, Analog I/O: Maximum 160 In, 80 Out per base
<b>Internal Power Used</b>	1250 mA @ 3.3 VDC; 1000 mA @ 5 VDC for NIU controller and 840 mA @ 3.3 VDC; 614 mA @ 5 VDC for each Ethernet module	1.4 Amps @ 5 VDC	132 mA @ 5 VDC