



RU-87P4



RU-87P8

RU-87P4/RU-87P8 I/O Expansion Unit

Introduction

RU-87Pn series is a remote intelligent I/O expansion unit that used to expand I-87K series I/O modules over the RS-485 for industrial monitoring and controlling applications. There are more than 30 I/O modules supported with the unit, including analog input/output, digital input/output, counter/frequency I/O modules.

RU-87Pn is designed to be used in harsh and noisy environment, so the hardware is manufactured with wide power input range (10~30VDC), isolated power and operating temperature (-25 ~ +75). It simplifies installation and maintenance of I/O modules with hot swappable and auto configuration, fault and error detection, dual watchdog, programmable power on and safe values.

Various software development kits (SDK) and demos are provided, such as DLL, ActiveX, Labview driver, Indusoft driver, Linux driver, OPC server, etc. The I-87K series I/O modules plugged in the RU-87Pn can be easily integrated into variant software system.

Specifications

Communication Interface (RS-485)	
Baud rate	115200 bps maximum
Distance	1.2 Km (4000 ft) maximum
Isolation	3000 VDC
Switch	
Rotary Switch	*2 , For RS-485 address
DIP Switch	8 bit *1, For auto configuration, check sum and baud rate
LED Indicators	
Power	Yes
System Ready	Yes
Auto configuration	Yes
Slot Status	Yes
I/O Expansion Slots	
Hot Swap	Yes
Auto Configuration	Yes
Support Module Type	High profile I-87K module only
Slots	
RU-87P1	1
RU-87P2	2
RU-87P4	4
RU-87P8	8
Dimensions (W x H x D)	
RU-87P1	63.86 x 120.58 x 97.5 mm
RU-87P2	124.60 x 120.58 x 97.5 mm
RU-87P4	230.30 x 120.58 x 97.5 mm
RU-87P8	254.30 x 120.58 x 97.5 mm
Power	
Input Range	10~30 VDC (non-regulated)
Reverse polarity protection	Yes
Isolation	3000 VDC
Frame Ground	Yes

	Consumption	Power Board Driving
RU-87P1	1 W	5 W
RU-87P2	1 W	8 W
RU-87P4	2 W	15 W
RU-87P8	2.4 W	30 W
Environment		
Operating Temperature	-25 to +75 °C	
Storage Temperature	-30 to +75 °C	
Humidity	5 ~ 95%, Non-condensing	

Ordering information

RU-87P4	4 slots I/O expansion unit
RU-87P8	8 slots I/O expansion unit

Related Products

Converters	USB, RS-232, Fiber Optical to RS-485 Converters and Repeaters
Power Supply	24V DC power supply
EZ Data Logger	User friendly data logger software (free)