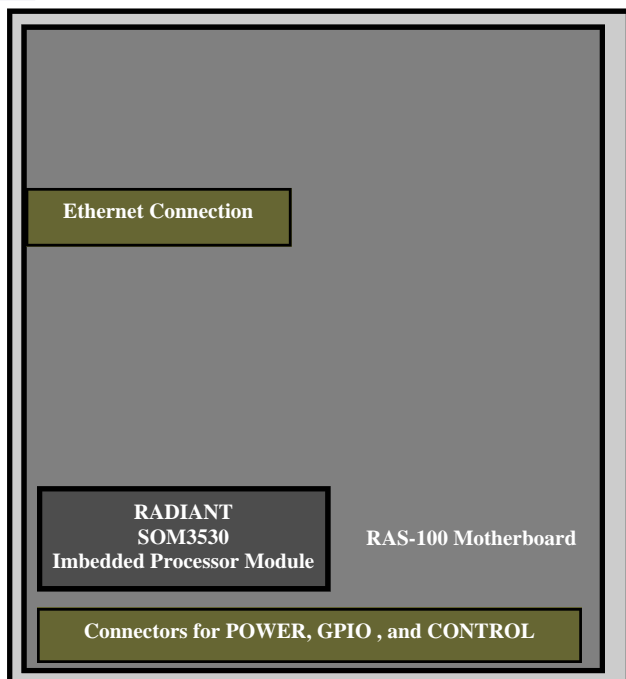


DESCRIPTION

Radiant Communications Corp RAS-100 is designed to provide superior migration of your analog signals onto a drop and insert digital platform. The RAS-100 is designed to input one video signal, 20 digital inputs and 4 digital outputs along with RS-232/422/485 bi-directional data circuit. This is all transmitted over a built-in fault tolerant industrial managed Ethernet multi port fiber switch.

The **RAS-100** provides outstanding services capable of integrating into many standard software monitoring packages available on the market today.

With the flexibility of multi protocol bi-directional serial data available on the RAS-100 the user can easily integrate into existing or new pan/tilt/zoom control systems. With the available 20 Contact Closure inputs and 4 relay outputs the user can easily integrate into existing perimeter detection systems which can seamlessly be integrated into a variety of standard software packages.



# RAS-100 Alarm Server

BENEFITS

- Cost effective, integrated, single box solution
- High Quality de-interlaced video at 30/25 fps.
- Provides instant Serial to Ethernet conversion.
- Driven by High Performance Network Switching Technology

FEATURES

- Ideal for surveillance and remote monitoring
- Instant Event messaging
- Provides support for RS-232/422/485 serial to Ethernet conversion.
- Designed for temperature ranges up to 50°C



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rev.C 9/2011

# ▶ RAS Alarm Server

## SPECIFICATIONS

### Serial Server

#### Serial Standards

RS-232 / 422 / 485-4W / RS485-2W

#### Serial Communications

Data Bits: 5, 6, 7, 8

Stop Bits: 1, 1.5, 2

Parity: None, Even, Odd, Space, Mark

Baud Rate: 50 bps to 921.6 Kbps

#### Serial Signals

RS-232: TxD, RxD, GND

RS-422: Tx+, Tx-, Rx+, Rx-, GND

RS-485-4W: Tx+, Tx-, Rx+, Rx-, GND

RS-485-2W: Data+, Data-, GND

#### Connector

Phoenix 3.5mm 8 pin

#### Network Protocols

ICMP, IP, TCP, UDP, DHCP, BOOTP, Telnet, DNS, SNMP, HTTP, SMTP

### Active Ethernet I/O

#### LAN

Ethernet: 10z100 Mbps, RJ45

Protection 1.5KV magnetic isolation

Protocols: Modbus/TCP, TCP/IP, UDP, DHCP, Bootp, SNMP (MIB for I/O and Network), HTTP, SNTP

#### Inputs

Channels: 20, source type

Sensor Type: NPN, Dry Contact

Dry Contact

Logic 0: Short to GND

Logic 1: Open

Wet Contact

Logic 0: 0 to 3 VDC

Logic 1: 10 to 30 VDC

#### Outputs

Channels: 4, sink type

Over Current Limit: 400ma (typ)

Over Temp. Shutdown 175 C (min)

Output Current Rating: 200mA per channel

Isolation: 1K VDC

### Ethernet

#### Interface

Ethernet: RJ-45 10/100Base-TX auto-negotiation, Full/Half duplex

Protection: 1.5KV magnetic Isolation

Protocols: Modbus/TCP, TCP/IP, UDP, DHCP, Bootp, SNMP (MIB for I/O and Network), HTTP, SNTP

LEDs: Link/Activity

### Indicators

#### LEDs:

##### Power

Input x 20 RED / GREEN

Output x 4 RED / GREEN

#### Environmental:

0 degrees to 50 degrees C

#### Power:

120 / 240 VAC @ .25A 30W

24VDC Output @ 1A

## ORDERING INFORMATION

### PART NUMBER

RAS-100

### DESCRIPTION

Video Alarm Server System

#### Note:

- Due to product enhancements, specifications are subject to change without notice



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