

# DIGIUM R-SERIES PRODUCTS

Digium's Redundancy Series (aka "R-Series") products are a family of inexpensive, versatile appliances that enable physical-layer failover of analog (POTS) and digital (T1, E1, PRI or BRI) telephony connections to Asterisk-based communications systems. The R-Series devices allow Asterisk administrators to create high-availability solutions that insure uninterrupted business communications, even in the event of a catastrophic hardware or software failure.

R-Series appliances include all the tools necessary to build a fully redundant active/passive communications solution. If the primary server experiences a hardware or software fault, all telecom services will automatically switch to the backup server. The R-Series integrates with software that mirrors file systems, manages the transition of a shared IP address and monitors system health between the primary and backup systems.

The R-Series family consists of 2 models, the analog R800 appliance and the digital R850 appliance. Each model supports eight (8) public switched telephone (PSTN) circuits. The appliances delivers PSTN circuits to each Asterisk server via Digium's telephony interface cards. Management and failover communications between the Asterisk Servers and the R-Series appliance is done using a set of USB connections, which also provide power — saving energy costs over the lifespan of the appliance.

Business communications are critical. Trust Digium, the creators of Asterisk, to provide the most reliable and robust solution for mission-critical Asterisk solutions.

## Ordering Details

1R800F: 8 Port Analog R-Series Failover Appliance

1R850F: 8 Port Digital T1/E1/PRI/BRI Failover Appliance

## Mechanical

Size: 1.72 x 5.84 x 15 inches.

Weight:

R800: 3lb 5.4oz

R850: 3lb 12.6oz

Style: 1U rack mount (brackets included)

## Environment

Temperature: 0 to 50° C

(32 to 122° F) operation

-20 to 70° C (4 to 158° F) storage

Humidity: 10 to 90% non-condensing

## Supported Hardware

Analog Boards: All 4-, 8- and 24-port TDM and AEX Series Analog Cards, Hybrid Cards

Digital Boards: All 1-, 2-, 4- and 8-port TE Series, B410P and Hybrid Cards

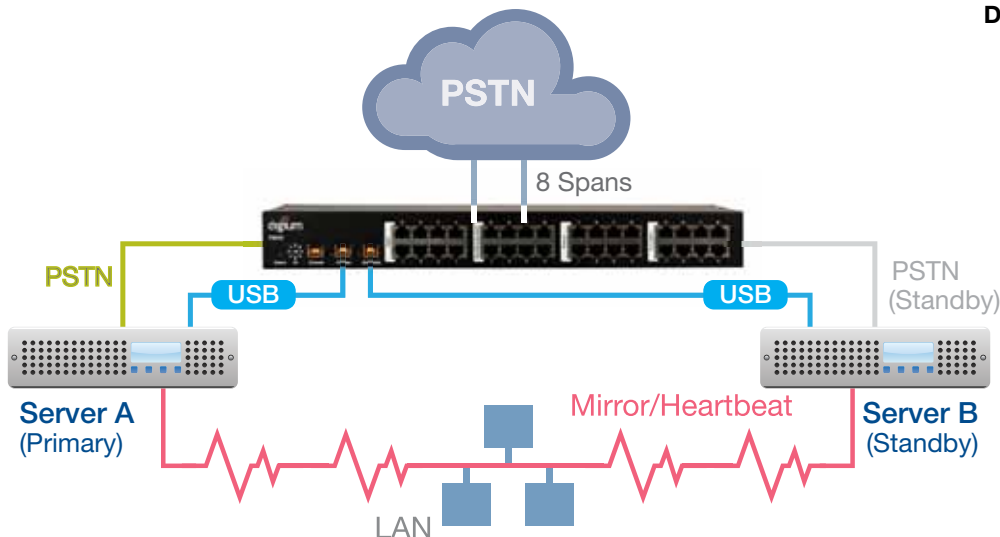
## Warranty

1-year parts and labor

Digium Exceptional Satisfaction Program



Digium R850 (top photo) and R800



Under normal conditions the backup server (B) is synchronized with and monitors the health of the primary server (A) via the local area network. If the backup detects a hardware or software failure on the primary it will notify the R-Series to to redirect the PSTN connections and take over as the active system. Within seconds operations will resume with all services intact.

# Digium, The Asterisk Company



The Asterisk Company

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## DIGIUM®

Digium is the creator, sponsor, and innovative force behind Asterisk®, the industry's first and world's most popular open source telephony software. Additionally, Digium provides a variety of VoIP communication solutions that fit the needs of small, medium, and large businesses. Digium's product lines include commercial business phone systems, as well as software, hardware, and other components needed to create powerful custom telephony solutions.

## BUSINESS COMMUNICATIONS SYSTEMS

Digium's line of award winning Switchvox IP PBX phone systems are built on a strong foundation of our open source Asterisk software. Switchvox solutions are designed to be extraordinarily easy to use and provide features that most small and medium businesses had previously considered out of their reach.

Switchvox's web-aware unified communications capabilities are unique in an industry cluttered with old technology. Integration with web and back office applications turns your phone system into a powerful platform for employees' productivity and efficiency. Its web-based Switchboard provides an intuitive control panel to assist with call management in real time while unifying phone calls, faxes, e-mails, instant messaging, Google Maps, CRM systems and other web tools from an easy-to-use, centralized control panel.

We're able to offer these PBX systems with superior capabilities for a fraction of the cost of traditional vendors' products because the shift to an open source software foundation represents a dramatic leap forward in telephony technology.

## CUSTOM COMMUNICATIONS SOLUTIONS

Digium empowers users, developers and integrators to build custom telephony solutions by offering a variety of software, hardware, and third-party components. From a simple phone system, to a sophisticated telephony application, Digium makes it possible for the world to communicate in an infinite number of ways at a fraction of the cost of proprietary solutions.

At the heart of these offerings is Asterisk, the powerful open source telephony development toolkit. Asterisk is free software that turns an ordinary computer into a feature-rich voice communications platform. Its flexible architecture lets you configure it as an IP PBX, a voicemail server, IVR server, VoIP gateway, call recorder, automatic call distributor and virtually any other voice-enabled application you can imagine.

To support Asterisk-based solutions, Digium offers a full line of high quality analog and digital interface cards to connect your solution to the public telephone network. In addition, Digium offers add-on software components like Fax For Asterisk, G.729 codec, and high performance echo cancellation (HPEC) to enhance your solution.