OneRain
The Rainfall Company

OneRain Custom Serial-to-IP Connection Kit Installation Guide

Contents

Overview

Introduction

The Custom Serial-to-IP Connection Kit provides real-time access to ALERT/ALERT2™ serial devices via TCP/IP communications. OneRain delivers each kit customized with your site-specific information and ready to install. This minimizes the configuration tasks you need to perform at your site.

Kit Contents

Part	Qty.	Description
Digi™ PortServer TS	1	Custom configured with customer-supplied information (see below). Typically a 4-port device is installed. The Digi serial ports are mapped to the IP addresses of the Base Station(s).
Custom Serial RJ-45 Cable Assembly	1	A customized serial cable assembly with RJ-45 connectors. The serial cable may be customized for one or more connections (e.g., Y-cable).

Reference Documents

Digi International: Digi PortServer TS Datasheet (available from www.digi.com)

Customer Requirements and Responsibilities

Prior to delivery, installation and connection, customers must provide OneRain with all the necessary information to enable the custom settings and configuration of the kit. **The Customer Configuration Form on page 2, must be completed**. You will likely have to coordinate with your IT Department/ Network Administrator for information regarding your networked equipment, port access and connectivity.

Customer is responsible for:

1. Providing the allocated IP address;

2. Coordinating with their IT Department/Network Administrator to ensure that their firewall is configured to allow outgoing port(s) access to the address(es) provided by OneRain in section IV of Customer Configuration Form;

3. Ensuring that they have a connection to their network.

Customer Configuration Form

Complete the following form where indicated to ensure that your Serial-to-IP Connection Kit is delivered fully customized and ready for deployment at your site. Send a copy of the completed form to OneRain via email at customer.support@onerain.com (or fax 303-774-2037). Keep a copy for your records. To fill out the form electronically and then save and submit, you'll need free Adobe® Reader®.
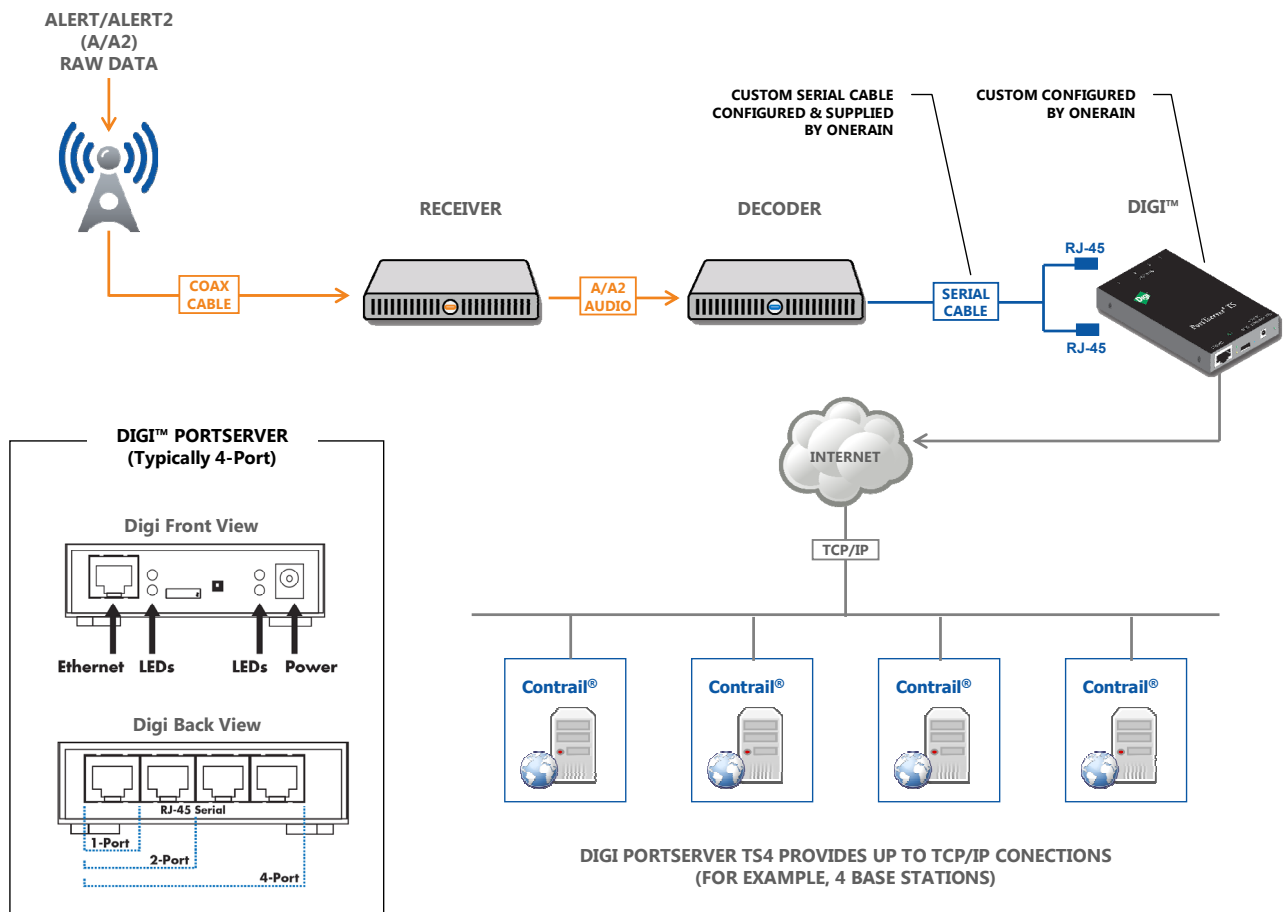
I. INSTALLATION SITE DETAILS
(to be completed by customer)

ORGANIZATION / BUSINESS NAME		DEPARTMENT / DIVISION	
STREET ADDRESS		CITY, STATE, ZIP	
PRIMARY CONTACT NAME	PRIMARY CONTACT PHONE	PRIMARY CONTACT EMAIL	

II. IP ADDRESS FOR SERIAL-TO-IP DEVICE
(to be completed by customer)

STATIC IP ADDRESS	SUBNET MASK	DEFAULT GATEWAY
DIGI DEFAULT LOGIN/USERNAME root	DIGI DEFAULT PASSWORD dbps	NOTES

III. ALERT/ALERT2™ DECODER
(to be completed by customer)

DECODER MANUFACTURER	MODEL/PART NUMBER	SERIAL OUTPUT BAUD RATE
NOTES:		

IV. PORT MAPPING
(to be completed by OneRain)

PORT	BAUD RATE	OUTBOUND IP	OUTBOUND PORT	NOTES
1	BAUD RATE	OUTBOUND IP	OUTBOUND PORT	NOTES
2	BAUD RATE	OUTBOUND IP	OUTBOUND PORT	NOTES
3	BAUD RATE	OUTBOUND IP	OUTBOUND PORT	NOTES
4	BAUD RATE	OUTBOUND IP	OUTBOUND PORT	NOTES

Installing and Connecting

ALERT/ALERT2
(A/A2)
RAW DATA

CUSTOM SERIAL CABLE
CONFIGURED & SUPPLIED
BY ONERAIN

CUSTOM CONFIGURED
BY ONERAIN

RECEIVER   DECODER   DIGI™

RJ-45

COAX
CABLE

A/A2
AUDIO

SERIAL
CABLE

RJ-45

DIGI™ PORTSERVER
(Typically 4-Port)

Digi Front View

Ethernet LEDs   LEDs Power

Digi Back View

RJ-45 Serial

1-Port
2-Port
4-Port

INTERNET

TCP/IP

Contrail®   Contrail®   Contrail®   Contrail®

DIGI PORTSERVER TS4 PROVIDES UP TO TCP/IP CONECTIONS
(FOR EXAMPLE, 4 BASE STATIONS)

Custom Configuration

The Serial-to-IP Connection Kit is delivered custom-configured and ready to install at your site in accordance with the customer information provided to OneRain in the "Customer Configuration Form". Refer the diagram above for guidance during installation and connection.

To install and connect the kit, do the following:

1. Plug the RJ-45 Ethernet Cable into the **Ethernet** port on the front of the **Digi** device.

2. Connect the custom serial cable(s) from the **Decoder** to the RJ-45 port(s) on the back of the **Digi** device, **as specified by OneRain**. The Digi serial ports are mapped to the IP addresses so it is important that the correct ports are used.

Technical Support

For more information about our products and services, or for technical assistance:

Questions? Call 1-800-758-RAIN (7246)

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Longmont, Colorado 80504
USA

Email: customer.support@onerain.com

Web Site: www.onerain.com
Phone Toll Free: +800-758-RAIN (7246) or Local: +303-774-2033
(USA – MT 8:00 a.m. to 5:00 p.m., Mon.-Fri.)