

OCTO IP RDS Routing Server

Highlights

- RDS data multiplexing solution for RDS networks
- Centralization of all RDS data streams
- Monitoring and logging

Port	Type	Log	In/Out/Drop	Label	Groups
udp:10052	UECP	✓	20758 / 0 / 0	TEST2	Area03
tcp:5998	UECP	✓	0 / 0 / 0	TEST	TMC
udp:8888	UECP	—	0 / 0 / 0	DataBridge2	Area03:Area04:PSN_10:Area03

Host	Label	(Q) Out/In/Drop	Timing (ms)	Log	Groups	Recon.
127.0.0.1:5998	MPX-1gTest1	(0) 0 / 0 / 0	0	✓	Area03:National:AFFE	0
127.0.0.1:7654	Test Encoder P1	(0) 0 / 0 / 0	0	✓	Area03:National:TMC:1234	0
127.0.0.1:6666	Espo	(0) 0 / 0 / 0	0	—	Area03:1235	0

OCTO IP – RDS Routing Server (1/2)

The OCTO IP is an RDS management software that operates as a highly adaptable routing center. It enables you to efficiently centralize inputs and outputs of RDS data streams, simplifying network management.

Offering a comprehensive overview of your network's status at a glance, it is a valuable tool for broadcasters seeking reliable and failsafe operation. Whether you require centralization, redundancy, or detailed logging, the OCTO IP is your trusted partner in maintaining a resilient and efficient RDS infrastructure.

Main Features

- Routing input traffic via UECP, GPIs, IP addresses, Ember+, or MS-MQ to the outputs
- Output via UECP via TCP/IP or UDP (also broadcast and multicast)
- Monitoring the encoder network and configuring spare encoders
- Logging for incoming and outgoing data
- Runs on a Windows server and in a clustered environment

Smart Encoder Management

- Data access and total control over the whole encoder network from one central location
- Addressing individual encoders or encoder groups
- Dynamic routing of the input data via UECP addresses or group addresses
- Full control of the data through various filter rules and flexible alarm settings

Comprehensible Monitoring and Alerting

- Monitoring of all inputs and outputs
- Display of the encoder states in a list and on a geographical map
- Stay informed: Flexibly configurable alarm settings and notifications
- Automatic forwarding of encoder failure alerts to the central location and the service technician
- Timeout for incoming data, errors of incoming data, too many frames in outgoing queue, and more
- Time (UTC) insertion via UECP
- Configurable TA reset

Reliable and Failsafe Operation

- Transmit station support with spare encoders
- Support for redundant GPIO and Ember+ setup

OCTO IP – RDS Routing Server (2/2)

Seamless Integration and User-Friendly Configuration

- Compatibility with industry-standard protocols
- Well-established APIs seamlessly integrate into your current infrastructure
- Modern HTML5 web interface with an easy-to-use operating concept

Detailed Logging

- Logging of incoming and outgoing data
- Detailed log files in hex format – can also be displayed as user-friendly RDS commands
- Many options and filters are available to adjust the system
- Log files contain statistical data (e.g. counting of all RDS groups)
- Forwarding of events via SNMP

