Model D9510 Universal Session and Resource Manager (USRM)

The Cisco Model D9510 Universal Session and Resource Manager (USRM) is an integral component of the Cisco Service Exchange Network. Based on a standard Intel/Linux server, the USRM supports all major VOD and Switched Digital Video (SDV) interfaces and protocols. The USRM is integrated with the Cisco Digital Broadband Delivery Systems (DBDS) and enables systems to distribute and scale the real-time session and resource management functions of the Cisco Digital Network Control System (DNCS). The USRM is also available in a directly-provisionable version for non-DBDS systems.

The USRM is designed for high service velocity as a flexible software platform supporting plug-in applications and interfaces. The high-availability platform can be upgraded to support new functionality without interrupting existing services. New applications and interfaces inherit platform capabilities. The USRM represents the next-generation evolution of the DBDS control system. It brings a new level of integrated control to VOD and SDV today, and is designed to quickly enable tomorrow's applications. The USRM is available as a software upgrade to the Model D9500 SDV server.

Primary Features

- Available as a software upgrade to existing Model D9500 SDV servers

- Supports all major SDV and VOD interfaces and protocols

- Supports all major QAM types and control interfaces

- Integrated with the Cisco DBDS

- Available for non-DBDS systems

- More efficient intra-carrier QAM sharing through integrated resource management

- Designed as a high service velocity platform with plug-in applications and interfaces

- New applications inherit platform services including:

    o SNMP

    o Web interface

    o High-Availability N for M redundancy

    o Run-time upgrade without service interruption

    o Real-time graphic display of resource usage

    o Policy-based resource failover

    o Resource management, monitoring and reporting

- "Bilingual", simultaneous support of different SDV protocols for transitional scenarios and support of legacy clients

- Flexibly configurable with standard interfaces to external servers and resource managers

- Service Assurance™ active service protection through monitoring and rerouting of streams

- Business-Policy control of bandwidth allocation
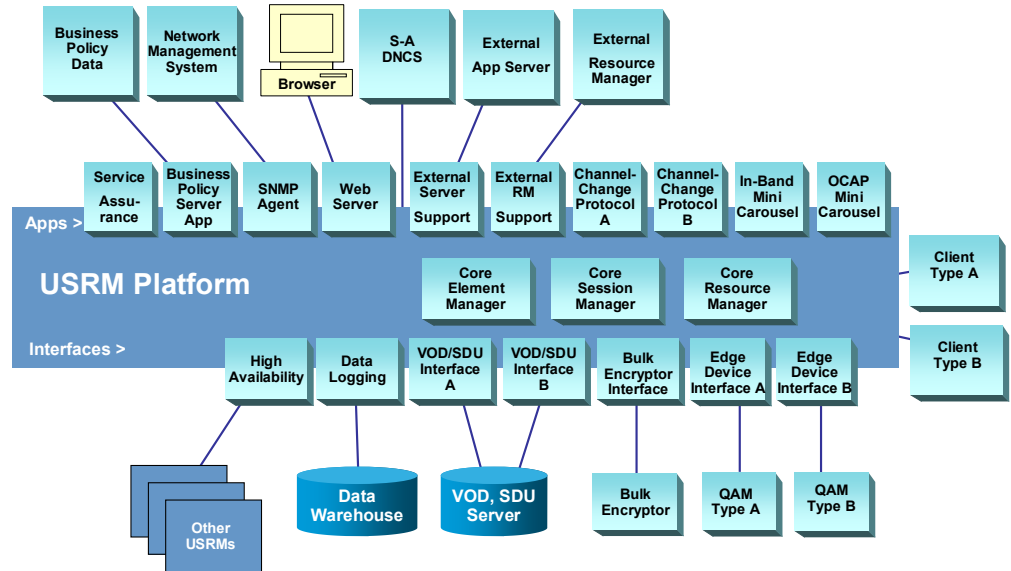
Figure 1.   USRM Platform Diagram

Table 1. Specifcations

Parameter	Specifcation
Ports	2 x10/100/1000bT Network Interfaces 1 x PS2 Keyboard Port 1 x VGA Video Port 2 x USB 2.0
Powering	115 V AC
Weight	15 lbs. 6.8 kg
Dimensions	1RU 19" W x 1.75" H x 19" D
Temperature Range	0ºC - 50ºC
Power Consumption	345 W

Table 2. Ordering Information

Description	Part Number
D9510 USRM	See Your Account Manager

Note: Interoperability with the DNCS requires DNCS software release 4.3 or greater.

Service and Support

Using the Cisco Lifecycle Services approach, Cisco and its partners provide a broad portfolio of end-to-end services and support that can help increase your network's business value and return on investment. This approach defines the minimum set of activities needed by technology and by network complexity to help you successfully deploy and operate Cisco technologies and optimize their performance throughout the lifecycle of your network.

For More Information

To learn more about the Cisco D9510 USRM, contact your local account representative.