

## ENHANCED APPLICATIONS FOR LEGACY SWITCHES



### NEW REVENUE OPPORTUNITIES FOR YOUR EXISTING SWITCH

Your switch is at the heart of your successful telephone network. You've probably considered upgrading to a softswitch platform for the additional applications that they enable. But you resisted making the move because your existing switch still works well for the basic service capabilities your customers depend on.

In the past, technology limitations forced you to choose between keeping your legacy switch and deploying new, revenue-generating applications. With MetaSphere Enhanced Applications for Legacy Switches, you no longer have to make that decision.

### ENHANCED APPLICATIONS

The MetaSphere application suite is a unified set of communications services, designed to create new revenue streams for service providers. MetaSphere applications comprise the following, which can be deployed together or separately:

- Unified Messaging
- Voicemail / Message List
- Live Message Screening™
- Incoming Call Manager™
- Reminders
- Conference Server
- Easy Attendant™
- Click-to-Dial
- Find Me Follow Me

### COMMPORTAL ADVANTAGE

Each MetaSphere application that you deploy is accessible via CommPortal™, a powerful crossplatform subscriber interface built according to leading Web 2.0 principles for a consistent look, feel and performance. This ensures continuity across your overall offering, while accelerating subscriber usability for each new service selected.

In addition, as a customer, you are eligible to participate in the MetaSwitch Innovators Community. In this business community, you'll have the opportunity to collaborate with MetaSwitch developers, partners, third party developers and other customers working together to develop new and enhanced applications for MetaSwitch powered networks.

### BUILT-IN NETWORK EVOLUTION

MetaSphere Enhanced Applications for Legacy Switches adds new life to your existing switch today, while providing a migration path to a full softswitch platform in the future. Uniquely, the solution builds upon the same network elements that comprise MetaSwitch's industry leading integrated softswitch platform and application suite.

This means that when the time comes to realize the additional advantages in performance, operational cost savings and convergence that a softswitch affords, your network will be ready. What's more, your applications will easily transition with you.

### TDM – SIP GATEWAY

Legacy Class 5 switches provide very limited options for the connection of calls to next generation application servers since they do not natively support VoIP. MetaSwitch makes the deployment of new applications easy by leveraging your existing TDM interfaces to connect with our TDM – SIP Gateway.

This Gateway then interfaces with the MetaSphere Enhanced Applications Server via SIP trunks, allowing the same industry leading applications for VoIP networks to be available to your legacy switch subscribers as well.

## SPECIFICATIONS

### SYSTEM CONFIGURATION

- EAS DSS system (2 x UX4410)
- MetaView including Service Assurance Server™ (1 x UX4410)
- MG2510 SIP-TDM Gateway

### OPTIONAL EQUIPMENT:

- Conference Server (1 x UX4410)
- Fax Gateway

### ENHANCED APPLICATIONS SERVER (UX4410)

#### PHYSICAL

- Dimensions: 1.75" (44.45 mm, 1U) H x 16.9" (429.26 mm) W x 21" (533.4 mm) D
- Weight: 24 lbs (10.9kg)
- Mounting options: 19" or 23" racks between 17.5" and 24" deep Power
- 400W (-48V) power supply
- Max power consumption 470W
- DC (UX4410D) -36 to -72 VDC

#### SCALABILITY

- Up to 40k subscribers on Dual Server System Interfaces
- Serial port
- Two 10/100/1000 BaseT Ethernet Ports
- 4 rear USB ports
- Single front USB port (for recovery operations, BIOS, SDR, HSC and BMC upgrades)

#### COMPLIANCE

- UL1950 and EN60950 safety
- EN55022 Class A, FCC Class A and CE Mark EMI certification
- NEC article 250 electrical certification
- NFPA fire certification
- RUS component source criteria met
- NEBS level 3
- RoHS 6/6

### SIP-TDM GATEWAY (MG2510)

#### PHYSICAL

- Dimensions: 12.25" (311mm, 7U) H, 17.2" (436mm) W x 17" (431mm) D
- Weight: 65 lbs (29.55kg)
- Mounting options: 19" or 23" racks, 6 chassis per 7' rack

#### POWER

- Dual feed -48V DC nominal (-40V DC to -56V DC)
- Fused 800W (20A)

#### NETWORK INTERFACES

- ISDN PRI
- SS7 ISUP trunks
- SIP

### NETWORK MANAGEMENT

- SNMP, CORBA and XML interfaces for alarms and system management
- Management via MetaView NMS or integration with third-party OSS

### APPLICATIONS

#### COMMPORTAL

A web-based application which allows subscribers to manage their own call services and settings.

#### NETWORK ADDRESS BOOK

CommPortal's address book, allowing subscribers to record frequently-used numbers and addresses in a convenient online display.

#### CLICK-TO-DIAL

The subscriber can make a call or return a call by clicking on an icon in the Contact List or Call List display. The call may be made from the subscriber's own phone, or at a remote phone number.

#### VOICEMAIL

An advanced voicemail service, which can take a message when the subscriber does not answer or the line is busy.

#### UNIFIED MESSAGING

An extension to MetaSphere Voicemail, adding support for fax messages in a single, unified mailbox. It provides a consistent view of inbox content and status no matter how messages are accessed – via telephone, web browser or email application.

#### GROUP MAILBOXES

Allow a number of MetaSphere subscribers to share an account.

#### NOTIFICATIONS

A range of mechanisms alerting subscribers of a new message.

#### FIND ME FOLLOW ME

A subscriber location service.

#### REMINDERS

An alarm-call service, which allows subscribers to configure either one-off or recurring calls.

#### CALL ROUTER

A simple TUI creation service, which allows the caller to select from a number of options using his telephone keypad.

#### LIVE MESSAGE SCREENING

An extension to voicemail, allowing screening of incoming calls in the style of a legacy answering machine.

#### INCOMING CALL MANAGER™

An advanced call handling service, enabling the subscriber to configure powerful rules that screen incoming calls and apply actions such as forwarding or rejection.

#### COMMPORTAL ASSISTANT

A thin software client, offering desktop integration with a MetaSphere account.

#### COMMPORTAL WIDGETS

Mini-applications bringing some of the most valuable CommPortal features to the subscriber's homepage, desktop, or portal.

#### COMMPORTAL CALL ME BUTTON

Subscribers can add a graphical button to their own websites, social portal and HTML email signatures – allowing third party click-to-dial calls.

#### CONFERENCING

Reservationless meet-me conferencing for up to 500 attendees.

#### EASY ATTENDANT

Automated receptionist tailored to the needs of small businesses.