

Universal Service Access Multiplexer Single Shelf Enclosure 2 (USAM[®] SSE2)



MOTOROLA

Next Level Communications

Motorola's Universal Service Access Multiplexer Single Shelf Enclosure 2 (USAM SSE2) provides a cost-effective, single-shelf solution designed to support low density deployments and broadband overlay configurations. The USAM SSE2 dramatically improves the economics of broadband service deployments by minimizing cabinet expenses. With the USAM SSE2, full bundled services can be economically and quickly extended deeper into the customer serving area.

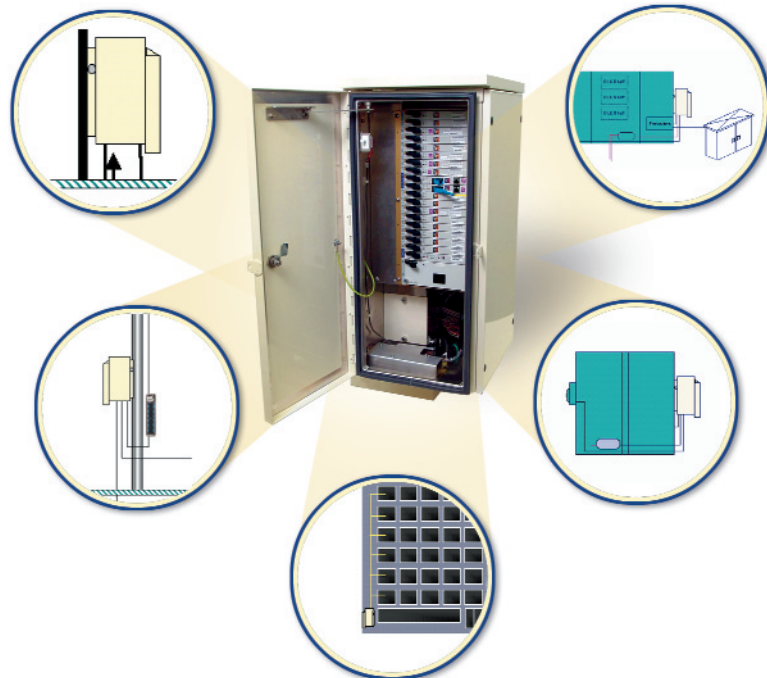
The USAM SSE2 can easily be connected to existing remote terminal equipment and support the rapid deployment of high-speed data, video, and Video-On-Demand (VOD) services. Deploying the USAM SSE2 can be done more economically, faster, and easier than upgrading your existing network infrastructure and integrating third party video delivery services.

The unit's small size and flexibility makes it ideally suited for specialized uses. It can be mounted above-grade in outside plant applications, minimizing Right-of-Way (ROW) and variance costs. It can be used as an economical, self-contained enclosure for small multi-dwelling units (MDUs). In fact, it can be attached to existing cabinets, offering a simple and economical means of outside plant modifications and overbuilding.

The USAM SSE2 leverages state of the art video delivery technology while protecting current network investments.

HIGHLIGHTS:

- Specifically designed to overlay existing DLC and DSLAM networks and support the delivery of "triple play" services
- Eliminates right-of-way (ROW)
- Multiple mounting options (pole, cabinet, wall, and pedestal)
- Ideal for broadband overbuilding or overlay solutions
- Integrated power, splicing, protection and distribution module
- Fully featured DLC and DSLAM configurations
- Complete line of POTS and Special Service cards
- Ability to support the delivery of up to 500 broadcast video channels with fully integrated multicasting



STANDARD FEATURES

- Complete set of TR-57 DLC line cards
- VDSL Plan 998 and (NLC plan-QAM), POTS or ISDN overlay with and without derived POTS
- ADSL (DMT standard, intermediate reach), POTS overlay
- ADSL+ (DMT standard, 10.5 Mb/s), POTS overlay, video
- Analog and digital narrowband services
- Digital bypass pair for remote loop testing
- Remote terminal and CO terminal applications
- Universal voice gateway
- Special circuits
- Range of RT cabinets to address different line size needs
- Extended reach and high current POTS
- Power shedding for lifeline POTS
- Flexible bandwidth configurations

ENVIRONMENTAL SPECIFICATIONS

USAM shelf power source	120 VAC, fed from GFI protected circuits inside cabinet. External power source -48 VDC, 130 VDC, 270 VDC
Maximum loading	3.0 A at 120 VAC

PHYSICAL SPECIFICATIONS

Configuration	16 Line card slots per shelf Any mix of DLC, ADSL, ADSL+,VDSL line cards per shelf.
Services Capacity	Max: 96 POTS lines 48 ADSL circuits per shelf 32 VDSL circuits per shelf <i>(Maximum capacities are mutually exclusive)</i>
Dimensions	17" H x 16" W x 33" D (43.18 cm x 40.64 cm x 83.82 cm)
Weight	50 lbs. (installed total weight) (22.68 kgs.)
Number of shelves	Capable of supporting 1 USAM shelf
Fiber connections	1 or 2
Fans	2 (-48 VDC) (1 active, 1 standby)
Access	Front door
External Line Protection	Flexibility for all applications (SAI, R Ts, & MDUs)

MGBI

Motorola, Inc.
Next Level Communications
5789 State Farm Drive
Rohnert Park, California 94928
1.707.584.6820
www.motorola.com/nextlevel

APPROVALS AND STANDARDS

- UL60-950
- FCC Class B
- FCC Part 15
- USAM GR-63, GR-1089, UL

NARROWBAND SERVICES

- Centrex, LS
- PBX Trunk, LS &GS
- Direct-Out-Dial, GS
- 800 Service Trunk, GS
- 800 Service Line, LS
- WATS Line, LS or Trunk Out, GS
- WATS Trunk 2-way, GS
- WATS Line 2-way, LS
- Secretarial Line, LS
- Off-Premises Extension Line, LS
- ISDN/BRI
- Coin (RT/COT)
- UVG
- POTS (RT/COT)
- DS-1
- HDSL
- HDSL-2
- CSA reach
- Extended Reach

BROADBAND SERVICES

- VDSL data and video Plan 998 and (NLC plan QAM), POTS or ISDN overlay
- ADSL (DMT standard, intermediate reach), POTS overlay
- ADSL+ (DMT standard, 10.5 Mb/s), POTS overlay, video

Specifications are subject to change without notice.



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