

MULTI-SERVICE ENTERPRISE ACCESS (MEA) PRODUCT SUITE

Economical Multi-service Access for Network



Motorola's Multi-service Enterprise Access (MEA) Suite is a flexible new family of access products designed to enable operators to cost effectively deliver traditional TDM telephony and high speed Ethernet data services to business customers. A unified access solution built specifically with issues such as cost, reliability and simplicity in mind, the MEA products provide intelligent multiservice aggregation capabilities in a compact footprint, with industry leading levels of interface, media and topology flexibility.

The innovative MEA product architecture supports standard Ethernet (10/100BaseT, 100BaseFX, 1000BaseSX or LX) ports as well as tollquality TDM service/user interfaces with complete Stratum synchronization (T1/E1, DS3). This flexibility enables network operators to reach a broader business market with a variety of revenue-generating services.

Though well suited as a stand-alone access solution, the MEA Family is also an integral part of Motorola's overall Multi-service Broadband Architecture. When deployed with other elements of this solution such as the Multi-service Broadband Transport (MBT) platform, network operators realize the many cost and efficiency advantages associated with using a single management and provisioning system. This includes eliminating the need for training on separate systems, and shorter service activation times. In addition, the economical multi-service aggregation capabilities of the MEA Family complement those of the MBT platforms, creating a more efficient metro transport infrastructure.

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The MEA Product Suite

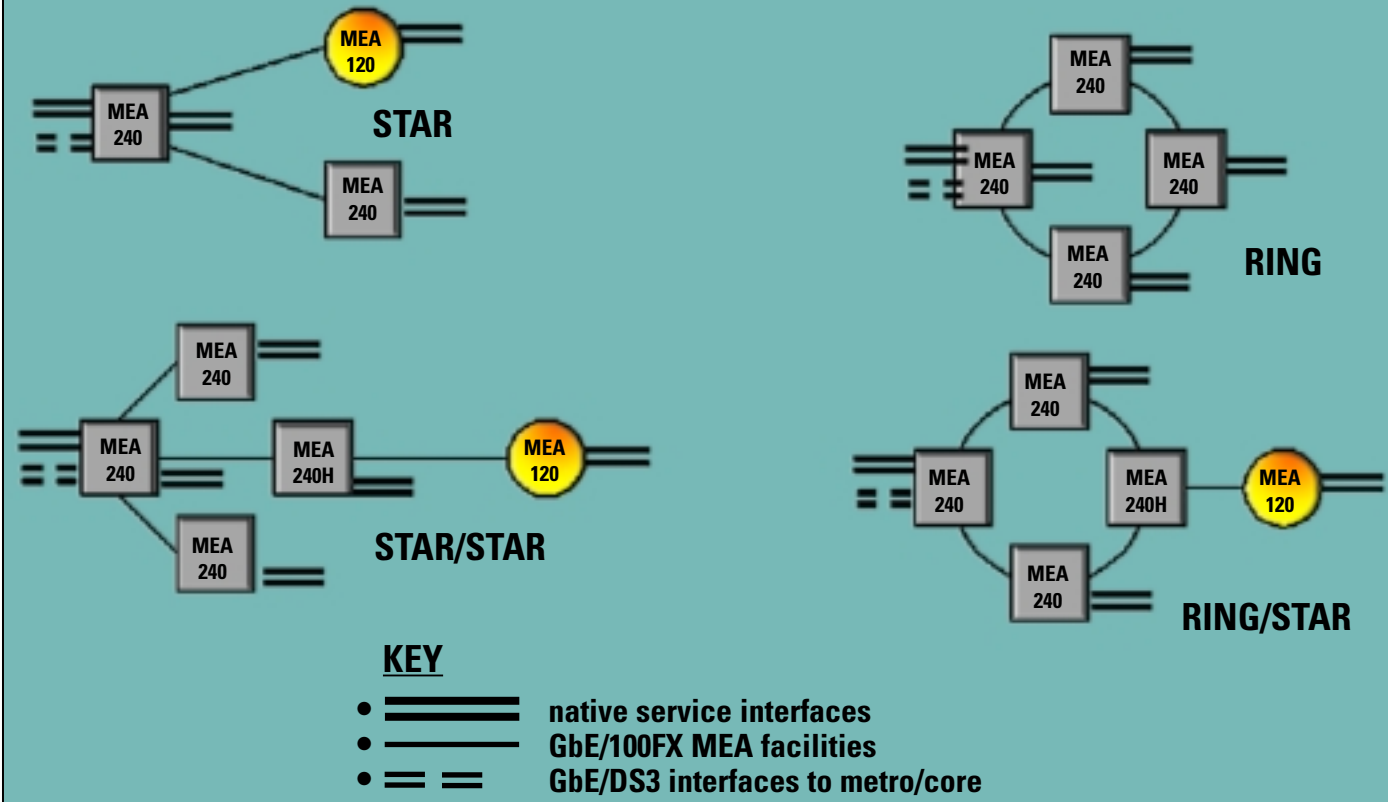
The MEA Product Suite consists of three separate platforms optimized for a wide range of access deployments. The MEA-240 platforms are modular, rack-mountable systems designed primarily for central-office and headend locations (MEA-240H), or multi-tenant units (MEA-240P). The MEA-120 is a shelf or wall-mountable fixed configuration device designed for deployments in single-tenant locations.

MEA-240H The modular, rack mountable MEA-240H is a carrier-class platform that provides a total of 16 universal slots for service interface modules, four slots for ring termination/aggregation modules, 1+1 redundant CPU modules, and redundant, field-replaceable power supplies. This compact (4RU) chassis has the ability to terminate/originate multiple applications and/or topologies within the same shelf, maximizing operators' valuable available rack space. Typically deployed in the headend or Central Office (CO) facilities, the MEA-240H is also ideally suited for placement at remote sites requiring multiple point-to-point outbound connections, such as in a ring-star topology. Here it serves as an aggregation point for multiple MEA-240P or MEA-120 devices.

MEA-240P The more compact (2RU) MEA-240P supports two universal slots for service interface modules, as well as a CPU and a ring termination/aggregation module, and power supply. This chassis is also rack or shelf mounted, and makes use of the same service interface, CPU and ring termination/aggregation modules as the MEA-240H, simplifying configuration and reducing sparing costs. Designed primarily for use at multi-tenant customer locations, the MEA-240P may also be deployed in smaller scale headend or Central Office (CO) applications as the termination/origination equipment.

MEA-120 Ideally suited for customer premise deployments, the MEA-120 leverages the same architecture as the larger MEA-240 systems in an ultra-compact shelf or wall-mountable device. Available in a variety of fixed configurations, the MEA-120 supports 10/100BaseT Ethernet and T1/E1 user interface ports.

Example Topologies



Products and product features subject to change without notice.

