



# Mekong AC (S19223)

## SONET/SDH STS-192/STM-64 MUX/DEMUX with Pointer Processor

### Features

- SONET/SDH Mux/Demux, Transport Overhead Terminating Transceiver, and Pointer Processors for an STS-192/STM-64 and up to 4 x STS-48/STM-16s.
- Pointer Processors support standard SONET/SDH payload types as well as STS-6c/9c/24c and AU-4-2c/3c/8c payload types
- Provisionable as SONET or SDH on a per line basis.
- Provisionable pointer processor bypass available for STS-192 to STS-192 operation (through-timing). Both a full bypass (no frame regeneration) as well as a pointer processor bypass (frame generation enabled) are provided.
- High-speed side supports a 622 MHz 16-bit STS-192/STM-64 interface.
- Low-speed side supports a 622 MHz 16-bit STS-192/STM-64 interface or four 622 MHz 4-bit STS-48/STM-16 interfaces
- Cross-connects, in both directions, with STS-1 level granularity.
- Provisionable as SOH/LOH pass-through or termination/regeneration device.
- Compliant with ITU G.707, Bellcore GR-253, and ANSI T1.105 standards.

#### Multiplex Direction

- Multiplexes 4 STS-48/STM-16 tributaries into an STS-192/STM-64 or bypass for STS-192/STM-64-to-STS-192/STM-64 connections.
- Selector for choosing high-speed or low-speed interfaces, Deskew Buffers, or APS inputs.
- STS-192/STM-64 framer.
- Non-Intrusive TOH monitoring for all inputs: STS-192/STM-64 or 4x STS-48/STM-16.
- TOH can be either terminated/regenerated, or transparently passed-through the device on a per function basis, in both through-timing and pointer processing applications.

#### Demultiplex Direction

- Demultiplexes an STS-192/STM-64 into 4 STS-48/STM-16 connections or supports a bypass mode for STS-192/STM-64-to-STS-192/STM-64 connections.
- Selector for choosing demultiplexed tributaries from high-speed interface, low-speed interfaces, or from APS inputs.
- Non-Intrusive STS-192/STM-64 Frame and TOH Monitor.
- TOH can be either terminated/regenerated, or transparently passed-through the device on a per function basis.
- STS-192/STM-64 or 4 x STS-48/STM-16 framer(s).

### Documents & Related Products

#### Documents \*

There are no related documents at this time.

\* Additional related documentation is available to approved registered users. You may apply for a [Login Account](#) to request access.

#### Products

PHY/PMD  
[S3098](#)  
[S3097](#)  
[S3092](#)  
[S3485](#)  
[S3091](#)

Framer/Mapper  
[S19208](#)  
[S4805](#)

- Configurable TOH generators for STS-192/STM-64 or STS-48/STM-16 outputs.

## Applications

- WDM and DWDM
- SONET/SDH Add Drop Multiplexers, Terminal Multiplexers and Digital Cross Connects
- ATM switches and Packet over SONET Routers