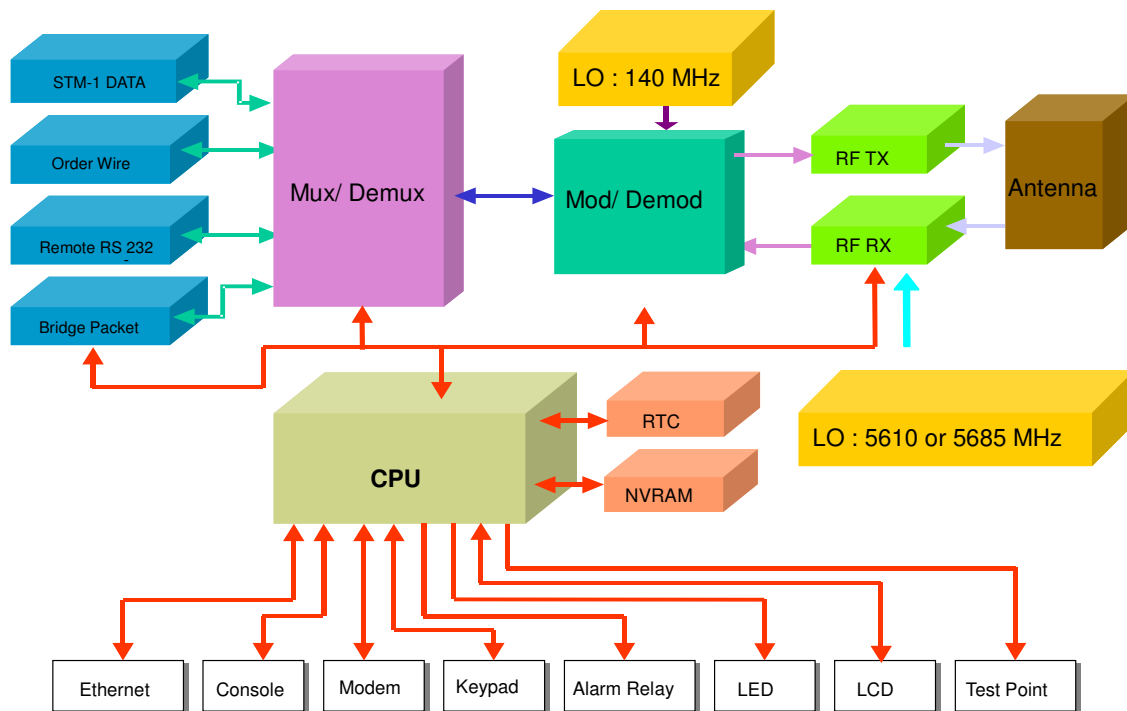


FiberLogic OptiQwave-8310 STM-1 Digital Microwave System Operational Descriptions



- Mux/Demux** : Multiplex the signals from Remote RS-232, order wire, Bridge Packet, STM-1 data into high-speed electrical signals, and transmit to RF transmitter after it is 32 QAMed. RF receiver will then demultiplex it back to Remote RS-232, Order wire, Bridge Packet, and STM-1 data signals.
- Modulator** : Use 32 QAM modulation. It modulates the baseband signals from multiplexer to 32 QAM signals and feeds to the RF transmitter.
- Demodulator** : Demodulate the 32 QAM signals into baseband signals and feeds to the demultiplexer.
- RF Transmitter** : Feeds the 32 QAM signals to antenna.
- RF Receiver** : Transmit the RF signals to demodulator for processing.
- Test point** : This is where it computes AGC, RSL and TPL values from the voltage measured.
- CPU** : system control center, it controls BUS components, performs executive functions, and etc.
- NVRAM** : Non Volatile RAM.
- Keypad** : CPU will decipher the status of Key/SW, and execute the according command.

- Output Alarm** : is connected to alarm devices. CPU will act in accordance to the type of alarm and activate the proper alarm relay output, making it from normal open to normal close.
- LED** : System status light indication
- Modem** : Modem interface.
- LCD** : LCD display with key control.
- Console(CID)** : CID is connected v-100 terminal for network management and system configuration.
- Ethernet** : Connected to LAN/Ethernet for network management purpose.
- RTC** : Real time clock
- Remote RS-232** : RS-232 is connected to the remote system for network management and system configuration purpose.