



MSAN-20 : Multi Service Broad Band Access Network STM - 1/4/16

In the emerging higher-end existence of Internet developments and technological advancements of today, the users are on the look out not only just for Voice connectivity alone, but also for high-speed **Internet access**, **Video-on-Demand** etc. This trend necessitates deployment of new network layout. However, in order to reduce the cost of the network building / maintenance and for better service facilities there is a need to deploy the “Convergent Network”, which supports all these services that the user is looking for. That is where MIC Electronics - who already possesses the expertise in designing, developing and deploying the Digital Loop Carrier System – are in the forefront again with MIC’s Multi Service Access Network which meets all the functional requirements to offer “**Tripple Play**” services – **voice, video and data**.

MSAN-20 is a Multi-Service Broadband Access Network on **STM-1/4/16** SDH Optical Ring for the next generation network. It is mainly for metro-access applications, comprising of both narrowband interfaces as well as broadband interfaces on the same platform as shown in the figure. The narrowband interfaces include – circuit-switched and leased-line interfaces. The broadband interfaces include Ethernet, ADSL, etc., for services like High Speed Internet Access, Gaming, Video-on-Demand, Broadcast Video services, etc.

The equipment is supplied with **Element Management System** software to execute all kinds of configuration, monitoring activities for individual RING and **Network Management System** software to monitor the total network of deployed DLCs and with remote management. Both **EMS** and **NMS** have extensive GUI and they are **SNMP** compliant.