

Campus applications



Applications

Large organizations such as Government bodies, Defence authorities and multinational companies require secure reliable network connectivity across their various campuses & offices. Nowadays many such bodies are setting up their own network infrastructures for various reasons such as - better control, network security and assured bandwidth for critical applications.

In such kind of applications, some of the key requirements are:

- Service protection - Link failures can disrupt network connectivity unless the equipments have appropriate protection mechanisms in built into them.
- Security - In establishments like financial institutions, defence - network security & data integrity is of utmost importance. The network should have the inherent intelligence to pre-empt various network attacks.
- Easy roll-out & manageability - unlike big network service providers, the individual organizations may not maintain a large team for maintaining the network - so they need an intelligent network with easy management systems to manage the networks.

- Ability to support existing/legacy infrastructure - In some cases, organizations may have already build networks consisting of heterogeneous technologies and equipments. So any new platforms should be able to support existing infrastructure.
- Customizability - In some instances, there is specific requirements for custom development of modules or management systems - for example - a government agency may require all its traffic to be encrypted & the networking platform should be suitably modified to accommodate this requirements.

Tejas have a wide range of offerings in this vertical - our end to end portfolio of SDH/SONET, Packet Switching, WDM and Management solutions cater to a wide spectrum of networking requirements. Tejas platforms provide several features valuable for campus applications:

- Complete range - Tejas have a comprehensive SDH/SONET (STM-1/OC-3 to STM-64/OC-192), Packet Switching (8Gbps to 240Gbps), WDM (up to 80 channels) and NMS solutions. These products are compact, power efficient and with intelligent features to enable easy management. They provide a large number of interface/ traffic module options and equipment redundancy.
- Intelligent management - Tejas management solutions are designed to manage multi-technology, multi-vendor networks in the most cost effective manner. They come with a host of sophisticated features including Point & Click Provisioning, automatic circuit discovery & creation, ASON and hot standby support.
- Tejas equipments come with the latest protection technologies which ensure sub 50 ms protection in both TDM & packet domain.
- Tejas platforms provide complete network-security through customer traffic separation, broadcast storm filtering, configurable limit on number of MAC addresses learnt and handling of control packets in a separate secured plane among other security measures.
- The equipments are FPGA based with all the IP owned by Tejas - this ensures rapid adoption of new technologies & features in our platforms; also the platforms can be suitably customized for specific requirements.