PRODUCT BROCHURE

Software-Enabled Transformation

TEJAS®
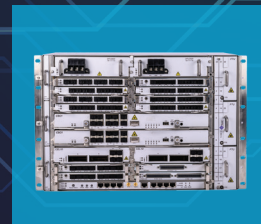NETWORKS

Product **Family**

Portfolio of products for **Access, Edge, Metro** and **Backbone**

TJ**1400**

Ultra-Converged Broadband Products

- Compact **64 Gbps** to **1 Tbps** next-generation packet transport platform with full front access and redundant configurations

- Integrated GPON, XGS-PON, Multi-PON and Carrier Ethernet product

- Range of back-haul solutions for **4G/LTE/5G**

- Advanced packet synchronization and circuit emulation features for pure-packet backhaul of 2G/3G voice and TDM services

- Integrated IPv4/v6, multi-cast and IP/MPLS L3 VPN

- Integrated pluggable WDM and grey optics

TJ**1600**

Multi-terabit Converged Optical Transport Products for Access, Metro and Long-haul

- Supports OTN Switching, OTN/Ethernet/SONET/SDH/Fibre Channel transport, with a full suite of DWDM cards
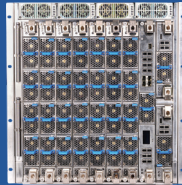
- Versatile mix of services with DWDM transport ranging up to **1.2T***

- Multiple form factors ranging from 1RU to 11RU with full front access and redundant configurations. Common cards across chassis variants

- Disaggregated OTN switching architecture with scalability ranging from 800G to 32T(OTN)

- **100G/200G/400G** Alien Wavelength solution with proven multi-vendor interoperability

- **Applications: Micro OTN, Inverse Mux, Demarcation device, 100G single fiber, SONET/SDH Gateway, DCI, Multi-Degree ROADM**

TJ**1400P**

Compact PTN Platform

- From **64G to 300G** packet switch in 1RU platform

- Suitable for mobile backhaul, enterprise, business, cloud and infrastructure services

- Temperature hardened options: **-40ºC to +65ºC**

- Circuit Emulation Support

- Integrated pluggable WDM and grey optics

Multi-PON
OLT & ONT
Gigabit Fiber Broadband products

OLT

ONT

Industrial POE   Home Gateway Unit

- Range of versatile OLTs which are modular-upgradeable as well as fixed-configuration products

- Supports GPON, XGS-PON and **Multi-PON**

- Advanced multicast, IGMP features for efficient delivery of residential triple-play and video-on-demand services

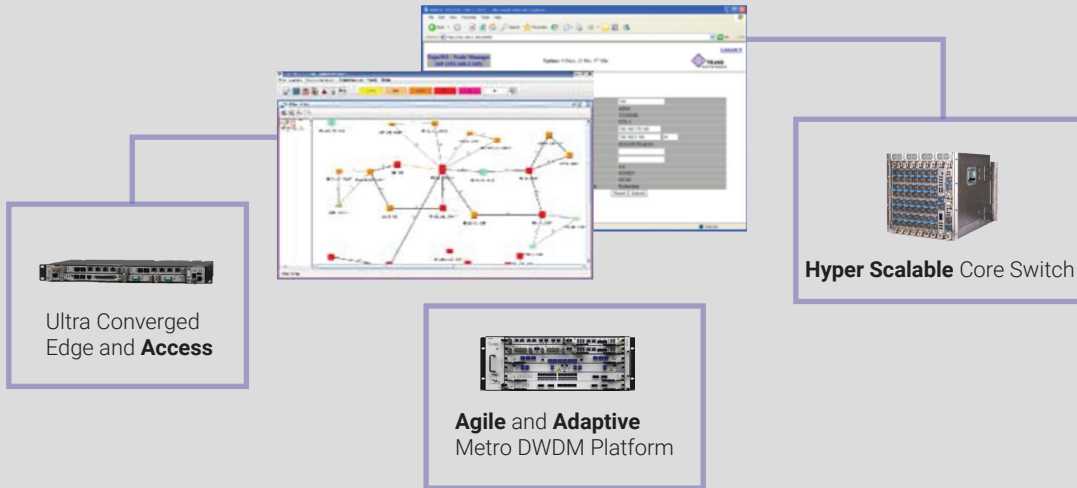- Support for resilient business and low bandwidth residential connectivity

- Wi-Fi (**802.11n and 802.11ac**), IEEE 802.11ac, SIP, POTS, Ethernet

- Hardened or Industrial Options

Tej**NMS**

**Network Management
System**

Unified **SDN Ready Management**
supports End to End Optical Network

Hyper Scalable Core Switch

Ultra Converged
Edge and **Access**

Agile and **Adaptive**
Metro DWDM Platform

Single NMS for all Tejas products Simple point and click provisioning Full FCAPS function

Integrated path computation engine Templates and wizards for simplified operations

Standardized open northbound interfaces (TMF814, Restful API, Netconf/Yang)
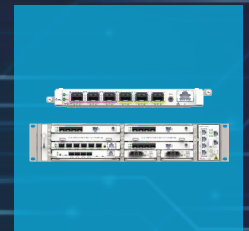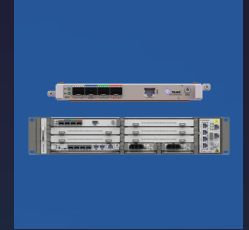
eNB/gNB
Product Portfolio

- **3GPP** compliant solution for high-capacity **FWA/BWA/mobile applications** with carrier-class redundancy

- Customizable scheduling profiles for optimizing **latency, throughput, coverage or capacity** on a per cell basis

- **5G-ready** for centralized RAN and fronthaul applications; future support for eCPRI

- **Seamless integration** of access and transport functions in one product resulting in **space and power savings**

- Comprehensive **EMS** can manage **eNodeB with full FCAPS support** and **NBI** to BSS/OSS systems

L2/L3
Ethernet Switch Portfolio

- Complete range of Ethernet switches for **enterprise, campus and industrial networks**

- Enhanced Carrier Ethernet features, I**P routing protocol support**

- Switches with industrial temperature options

- **Highly versatile** switch configurations possible with flexible port mix, stackability, power options and port speeds **(up to 100G)**

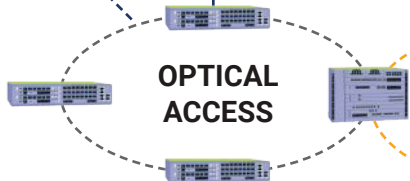- **Energy-efficient** designs with low total cost of ownership

Access

Metro

Core

2G/3G/4G/5G
BACKHAUL

FIBER BROADBAND
(GPON/XGS-PON)

TELCO
EXCHANGE

**OPTICAL
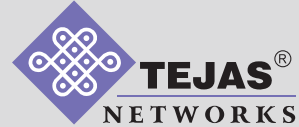ACCESS**

**OPTICAL
METRO
(NX10G/100G/200G)**

**OPTICAL
LONG-HAUL
200G/400G/600G**

BUSINESS
SERVICE
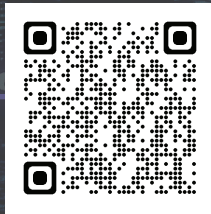(CE2.0, IP VPN)

WIRELESS BROADBAND
(LTE/4G/5G)

DATA CENTER

End-to-End
Optical Networking Solution

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