

# AAPT BUSINESS e-LAN



Delivered over AAPT's MPLS core Network, Business e-LAN provides secure, scalable and cost effective Ethernet multipoint connectivity, enabling geographically dispersed locations to easily interact and share business critical information.

## 1 PREMIUM CONNECTIVITY WITH COMPREHENSIVE TRAFFIC HANDLING CAPABILITIES.

### Flexible LAN/WAN environment

Business e-LAN provides you with the capability to create and manage your own VPN solution, giving you the ability to maintain control and security of your WAN routing.

In addition to multipoint connectivity, Business e-LAN is also capable of supporting complex point to point, hub and spoke and fully meshed network configurations concurrently.

Furthermore, the Protocol Transparency feature supports any legacy, emerging or proprietary Layer 3 WAN protocol, giving you the freedom to choose the protocols you run on your network.

### Comprehensive QoS capability

Business e-LAN provides you with the ultimate capability to intelligently prioritise your traffic, supporting six Classes of Service (CoS), available in four Quality of Service (QoS) packages:

**Best Effort (BE) Only** – All customer traffic is carried in the Best Effort Class of Service (CoS).

**Business Data (BD) Only** – A simple, single business-grade CoS providing delivery assurance.

**Simple QoS** – Access to all six CoS, with a combination of pre-determined priority queuing and weighted round-robin traffic handling.

**Flexible QoS** – Fully flexible customer defined bandwidth per CoS.

## 2 SPEED, CONTROL AND SCALABILITY.

### Adaptable options to suit your infrastructure

Designing and deploying a Business e-LAN with AAPT is as simple as selecting the following options to ensure the right fit for each of your business sites:

#### 1. Choose your speed:

Business e-LAN has scalable speed options from 512kbps to 1Gbps that can be scaled quickly and easily at your request.

#### 2. Adaptable and reliable Quality of Service QoS Packages:

Support your performance and optimise traffic handling with Business e-LAN's comprehensive QoS packages tailored to meet your individual site requirements.

#### 3. Range of flexible access options:

Our range of flexible access delivery options – including Fast Ethernet or Gigabit Ethernet – provide you with quick and reliable access to our Network.

### Enjoy extensive coverage over a premium network

AAPT's latest generation Multi-Service Edge and high capacity MPLS core networks provide a robust and scalable backbone for Business e-LAN.

In addition to our own high-speed access networks – including Ethernet over Fibre and market leading Mid-Band Ethernet – we also partner with leading access network suppliers to ensure the best possible coverage.

## 3 COMPREHENSIVE SOLUTIONS WITH PREMIUM SUPPORT.

### Multicast support

A crucial part of stakeholder engagement is the effective delivery of business communications across a diverse and varied workforce.

AAPT's e-LAN Multicast capability allows for the simultaneous transmission of Data to multiple destinations on a network. Scalable, reliable and cost effective, it is ideal for functions such as sales training, product launches and distance learning.

### Access to superior support, 24\*7\*365

To give you peace of mind, your Data solution should be supported with reliable customer service and superior Service Level Agreements.

AAPT's range of products is supported by our experienced team of technical experts who are at your disposal 24x7, 365 days a year.

### Simple and robust SLA's

We provide easy-to-understand SLAs which support all of our core features and are expressed in clear and simple terms.

**As you can see, AAPT Business e-LAN provides you with a wide range of cost and service benefits.**

**Contact AAPT for more information on how AAPT Business e-LAN can help your business.**

# BUSINESS. e-LAN Specifications

SERVICE PARAMETER	FEATURES
Configurations	Multipoint (Full Mesh).
Transport Technology	MPLS Core with Various Access Technologies.
Access Networks	Mid-Band Ethernet Ethernet over SDH Ethernet over Fibre Third Party Ethernet & Business DSL Access
Bandwidths (Mbps) <sup>1</sup>	<b>Ethernet:</b> 2-20Mbps in 2Mbps increments, 20-50Mbps in 5Mbps increments, 50-100Mbps in 10Mbps increments, 100-500Mbps in 50Mbps increments, 500-1000Mbps in 100Mbps increments. Over 1Gbps on request. <b>Business DSL:</b> 0.5, 1, 1.5, 2, 3 and 4Mbps
Quality of Service	<b>Six Classes of Service (CoS) available in four Quality of Service (QoS) packages:</b> <ol style="list-style-type: none"> <li>1. Best Effort – All traffic is carried within the Best Effort CoS.</li> <li>2. Business Data – All traffic is carried within the Assured Delivery CoS.</li> <li>3. Simple – Access to all 6 CoS minus the complexity of defining traffic contracts for each.</li> <li>4. Flexible – Fully flexible customer defined traffic contract per CoS.</li> </ol> QoS package is specified per site. Simple & Flexible QoS packages require customer to mark traffic (802.1p or DSCP).
Multicast	e-LAN services support Unicast, Broadcast and Multicast traffic. Broadcast traffic is throttled at 256Kbps per site and Multicast traffic is throttled at 2Mbps per site. Customers requiring greater control over their multicast traffic can choose the optional enhanced multicast capability to have their e-LAN IP PIM enabled.
MAC Learning Limit	The maximum number of unique MAC addresses per e-LAN is 250
Ethernet Frame Size (MTU) <sup>1</sup>	<b>Fast Ethernet interfaces:</b> 1531 bytes <b>Gigabit Ethernet interfaces:</b> 8960 bytes <b>Ten Gigabit Ethernet interfaces:</b> 8960 bytes
VLAN Transparency <sup>1</sup>	Customer VLANs are supported transparently. <sup>2</sup>
Protocol Transparency <sup>1</sup>	Layer 2/3 protocols are supported transparently. <sup>3</sup>
Site Requirements	Rack space (1RU) and 240V AC 50Hz power to be provided by the Customer.
Reporting	Access availability and performance reporting. Optional per site QoS reporting.
Contract Terms	Minimum contract term is 12 months. Longer contract terms (e.g. 24 months, 36 months and longer) are available and attract term discounts.
Provisioning Targets	<b>Installation (≤1Gbps):</b> AAPT fibred building or Mid-Band Ethernet exchange – 20 working days. <b>Modification:</b> Physical changes – 20 working days, Logical changes – 5 working days.
Availability Targets	99.95%
Outage Restoration Targets <sup>1</sup>	<b>Metro:</b> 4 hours <b>Regional:</b> Next business day
MEF Certification	In October 2010, AAPT Ethernet received Metro Ethernet Forum (MEF) Carrier Class Certification. This global standard verifies compliance of Service Provider Ethernet services to MEF technical specifications through a rigorous series of independent tests.

<sup>1</sup> Access network dependent.

<sup>2</sup> Where delivered via Ethernet Trunk Access customer's equipment must support VLAN stacking.

<sup>3</sup> Where delivered via Ethernet Trunk Access customer must tunnel Layer 2 control protocols.