

EZ ETHERNET

*SIMPLE, EASY ETHERNET CONNECTIVITY
FOR BUSINESS*

CABLE ***ONE***[®]
BUSINESS

INCREASED BANDWIDTH... PLUG-IN SIMPLICITY... SIGNIFICANT SAVINGS

What if we said...you can easily upgrade your Ethernet connectivity speeds to 3, 5 or 10 Mbps, and at the same time realize significant costs savings for your operation?

That's the promise of EZ Ethernet, an ideal solution for small and medium sized businesses who today need to move more data...with more speed and more security...than ever before.



EZ ETHERNET

When you're running a multi-site operation, connectivity between locations is always a top-of-mind concern. Even something as simple as sharing a server, a folder or a file becomes a challenge if your available bandwidth has not kept pace with your needs.

Legacy solutions can't keep up. A T1 line from your local telephone company limits you to 1.5 Mbps. Even three T1 lines bonded together can only approximate 5 Mbps. Trouble is, bonding T1 lines together is a poor scalability solution and can double or triple your costs.

Fiber-optic solutions may be cost prohibitive. Fiber-optic solutions certainly provide high bandwidth connectivity, more speed than most businesses need. Yet few companies can justify the investment needed to run fiber-optic lines to their locations.

EZ Ethernet gives you a third alternative. EZ Ethernet allows you to quickly connect multiple sites with a standard cable modem to instantly increase your network's bandwidth and reliability while lowering your monthly and annual costs.

EZ ETHERNET ADVANTAGES

Quick and Easy Connection

EZ Ethernet is an Ethernet solution that allows you to quickly connect multiple sites with a standard modem.

Highly Compatible Interface

EZ Ethernet is provided over a widely-available and well-understood Ethernet interface, which is compatible with virtually all networking equipment and hosts.

Easy Installation

Because Ethernet technology is so widely used and understood, EZ Ethernet is easy to integrate into your existing network infrastructure.

Flexible Configurations

EZ Ethernet lets you choose different bandwidths for different locations, easily upgrade bandwidth up to 10 Mbps per location or add new locations.

Improved ROI

EZ Ethernet helps you drive down your technology costs while improving overall connectivity, productivity and operational efficiency.

Multiple Service Levels

Simply choose the bandwidth that meets your needs – we offer several options including 3, 5 and 10 Mbps symmetrical service.



TECHNICAL OVERVIEW

Upgrade from your current carrier's old technology – legacy TDM circuits, such as T1 or DSL – with the convenience, speed, flexibility and cost-effectiveness of EZ Ethernet Access. It provides two port-based Ethernet services defined in MEF 6.1 and is supported by the ENNI defined in MEF 26: Ethernet Private Line (EPL) and Ethernet Private LAN (EP-LAN).

Specific Service Attributes and Parameter Values

UNI SERVICE ATTRIBUTES

UNI Service Attributes	Possible Values
Physical Interface	1Gbps
Speed	10/100/1000 Mbps
Mode	Full Duplex
MAC Layer	IEEE 802.3
MTU Size	≤1518 Bytes
Service Multiplexing	No
Bundling	No
All-to-one Bundling	Yes
CE-VLAN ID for Untagged and Priority Tagged Frames	Not Applicable
Maximum number of EVCs	=1
Layer 2 Control Protocol Processing	Pass to EVC or Discard

EVC SERVICE ATTRIBUTES

EVC Service Attributes	Possible Values
EVC Type	Point-to-Point
EVC MTU Size	≥ 1500 bytes and ≤ minimum of UNI MTU sizes
Maximum Number of UNIs	=2
CE-VLAN ID Preservation	Yes
CE-VLAN CoS ID Value Preservation	Yes
Unicast Frame Delivery	Delivered Unconditionally
Multicast Frame Delivery	Delivered Unconditionally
Broadcast Frame Delivery	Delivered Unconditionally
L2CP Processing	Tunnel or Discard as per Table 4
Performance Metrics	Class of Service Offering
	Business Critical

EVC PER UNI SERVICE ATTRIBUTES

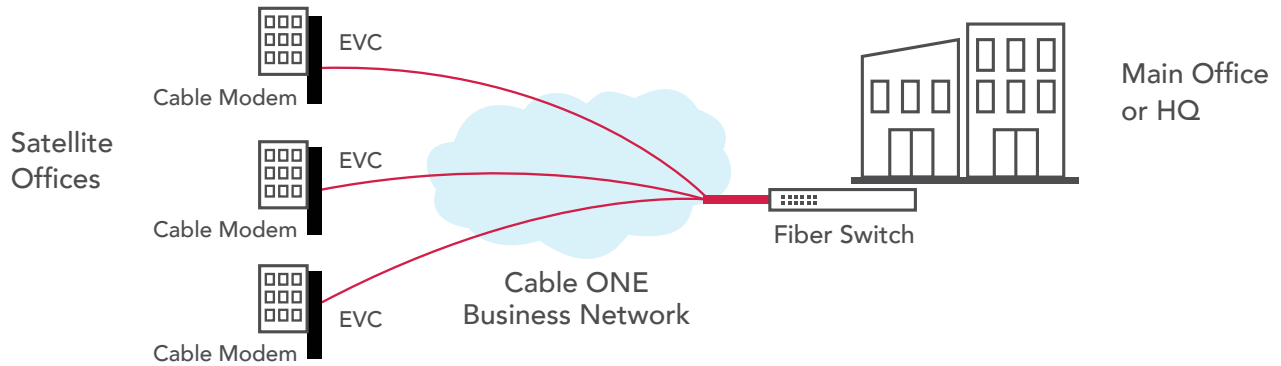
EVC per UNI Service Attribute	Possible Values
Class of Service Identifier for Service Frames	Business Critical
Ingress Bandwidth Profile per EVC	CIR = 3, 5, 10 Mbps
	CBS ≥ maximum MTU
	EIR = 0 EBS = 0

L2CP PROCESSING FOR THE E-LINE SERVICE

Protocol	MAC DA	L2CP Disposition
STP/RSTP/MSTP	01-80-C2-00-00-00	Tunnel
CDP	01-00-0c-cd-cd-d0	Tunnel
PAUSE	01-80-C2-00-00-01	Discard
LACP/LAMP	01-80-C2-00-00-02	Discard
Link OAM	01-80-C2-00-00-02	Discard
Port Authentication	01-80-C2-00-00-03	Discard
E-LMI	01-80-C2-00-00-07	Discard
LLDP	01-80-C2-00-00-0E	Tunnel
GARP/MRP Block	01-80-C2-00-00-20 through 01-80-C2-00-00-2F	Discard

HOW IT WORKS

This illustration shows the basic structure and scope of EZ Ethernet.



READY TO GET STARTED?

Find out more about EZ Ethernet or other Cable ONE Business services by contacting:

We'll be happy to talk with you about your business and your specific needs – and to implement a customized Ethernet solution that can help you take full advantage of your business's potential.

And, remember, with *Cable ONE Business* you can connect multiple sites within a single market or across the country...quickly, easily and securely.

