

QNTUE1V24 ref 10011

Metropolitan Ethernet Terminal for IP routed networks or switched VLAN networks

TDMoIP or TDMoVLAN

QNTUE1V24 is a Metropolitan Ethernet termination L3-IP or L2-VLAN. It is installed at the customer premises and provides an E1 (2,048 Mbit/s G703) TDM and V24 services.

The E1 connection may render the following services :

- PABX interconnection
- ATM / Frame Relay interconnection
- ISDN Primary rate Interface connection
- Any other type of interface connection using G703

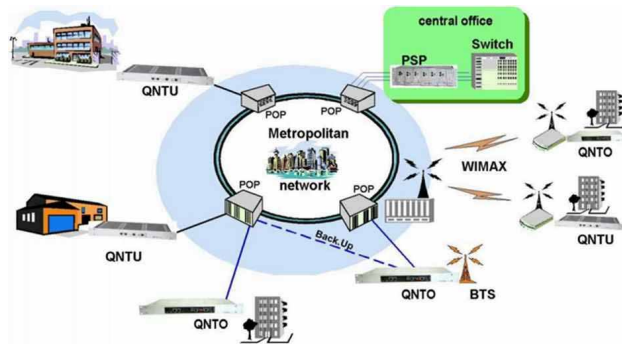
The V24 interface allows to connect any low rate DATA application.

The product offers :

- The operator to propose new services
- The customer to interconnect distant sites

Metropolitan Ethernet Networks

Metropolitan Ethernet Networks are optical cable loops interconnected by Gigabit Ethernet switches. Customer access are realized with Ethernet 10/100 BaseT interfaces.



Loops are presently using 1,25 Gbit/s, 2,5 Gbit/s and 10 Gbit/s Ethernet interfaces.

Ethernet Networks advantages

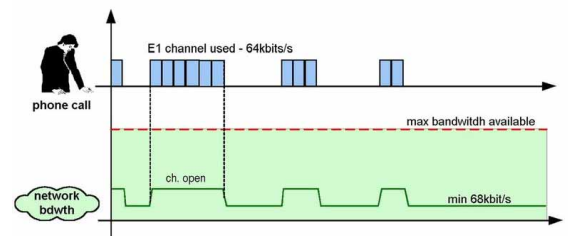
Metropolitan Ethernet Networks are developed to provide services at substantially lower costs than presently widely deployed technologies such as SDH. Bandwidth on demand is a vital competitive feature of those networks.



Advantages

- Voice integration without compression
- Low cost equipment
- Use of Ethernet / IP-L3
- Use of Ethernet / VLAN-L2
- Low overhead Ethernet
- Carrier class (loops, QoS, alarms,...)
- * Controlled bandwidth
- V24/V28 interface availability

* Dynamic Bandwidth allocation



On silence detection, the 64k channel is closed in order to decrease Bwdth used by network.
Channel is re-opened on signal detection.
Booking mode allows to select the channel and keep it always open.

Operator Advantages

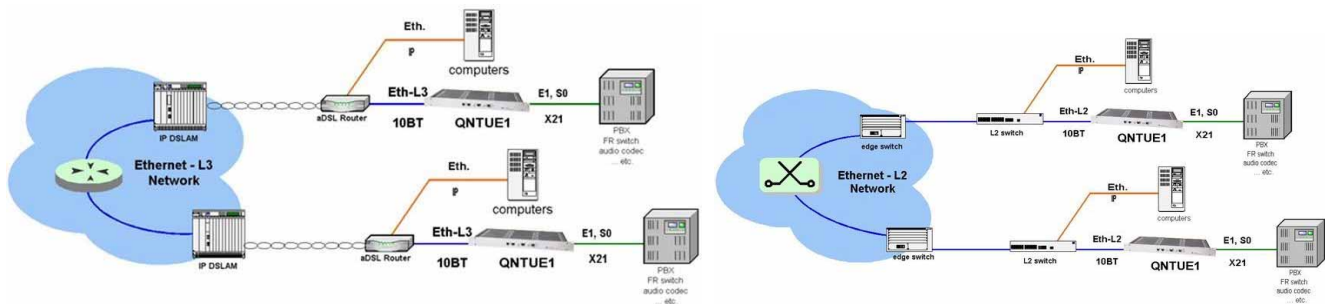
This product provides the operator with a leased line service at 2,048 Mbit/s at a very attractive cost. It gives the operator a tool to survey the quality of its services, as well as a maintenance tool such as looping and quality measurement statistics.

Customer Advantages

The product allows a customer to lease an Ethernet service VPN-IP or VPN-L2 in order to interconnect IT services and optimize this investment through PaBX (or any other TDM services) interconnect over the same link.

Case Study :

Main office premises are connected to distant sites using Ethernet IP or VLAN L-2 to interconnect data and telephony.



Routed IP L3

Switched VLAN L2

Advantages :

- The operator can provide leased line services to interconnect TDM applications (ex: PABX's) using the same Metropolitan Ethernet Network that provides LAN interconnect
- The customer can use this equipment within his premises to carry voice services over the internal IT Ethernet cabling network (ROI in weeks)

Technical Data :

Network interface

Ethernet 10 BaseT, RJ 45
 Maximum distance : 100 m
 Complies with : IEEE 802.3 and 802.1Q/802.1P
 Packet out of sequence detection and re-sequencing

USER INTERFACE

E1 (x1)

Rate : 2,048Mbit/s (plesiochronous clock +/- 50ppm)
 Synchronization : 0,1 ppm
 Distance : 500 m
 Connector: RJ 45
 Mode : framed/unframed
 Fractional E1 : n x 64k
 Silence detection & bandwidth optimization
 Complies with: CCITT G703, G704, G732

V24 (x1)

ETCD mode
 Rate : 300 à 9600bit/s
 DTR, DSR, RTS, CTS, DCD, RX, TX, GND
 Xon / Xoff

Network Manager

- Web browser QView integrated (service activation, option looping, option alarms, option quality control)
- SNMPv1 (MIB-II)
- LED indicator's on equipment front

SAFETY

EN 60950, EN 55022

Environment conditions

Operation temperature : 0°C-40°C, RH 5%-95% without condensation
 Storage temperature : -40°C-70°C RH 5%-95% without condensation

Power supply

110 / 220V AC, 40W, 50-60 Hz
 -48V DC, 40W

DIMENSIONS

160(L) x 100 (W)x40(H) mm
 Weight 600gr

PRODUCTS RANGE

Modèle	Réf.	dispo.	WAN Interfaces					USER Interfaces						
			10BT	100BFx smf / mmf	Back Up	TDM over IP	TDM over VLAN	E1/T1	10/100BT	X21	V24/V28	V24 / RS232	Pt Mpt	Mpt Mpt
QNTUE1	10010	Y	Y	-	-	Y	Y	1	-	-	-	-	-	-
QNTUE1V24	10011	Y	Y	-	-	-	Y	1	-	-	1	-	-	-
QNTU2E1V24	10211	Y	Y	-	-	-	Y	2	-	-	-	1	-	2
QNTQ	2.-010	Q3/06	opt.	Y	opt.	-	Y	1	2-3	-	-	-	-	-
PSPE1	33010	Y	Y	-	-	opt.	Y	1	-	-	-	-	-	-
PSPE1S	33110	Y	Y	-	-	-	Y	1	-	-	-	-	4	-
PSP1S	34110	Y	Y	-	-	-	Y	1	-	-	-	-	-	4
PSPV24	34010	Q2/06	Y	-	-	opt.	Y	-	-	-	1	-	-	-
PSPX21	35010	Q2/06	Y	-	-	opt.	Y	-	-	1	-	-	-	-

Specification and Photo subject to change