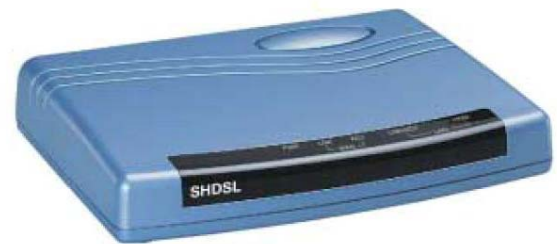


## SHDSL LT / NT Device QuFast SHDSL L3

The QuFast SHDSL is a cost effective G.SHDSL router located in the customer premises. The modem terminates the 2-wire DSL line and provides Ethernet data interfaces for customer data connection.



### Key Features & Benefits

- *Easy configuration and management with password control for various application environments*
- *Efficient IP routing and transparent learning bridge to support broadband Internet services*
- *Full ATM protocol stack implementation over SHDSL*
- *PPPoA and PPPoE support user authentication with PAP/CHAP/MS-CHAP*
- *SNMP management with SNMPv1/SNMPv2 agent and MIB II*
- *Getting enhancements and new features via software upgrade*
- *DSLAM and Point-to-Point application*



### Overview

The QuFast SHDSL (Symmetric High Speed DSL) network terminating unit is a highly efficient and cost-effective Single-pair High bit rate Digital Subscriber Line (SHDSL) terminal for standard, unconditioned copper wire loop environment.

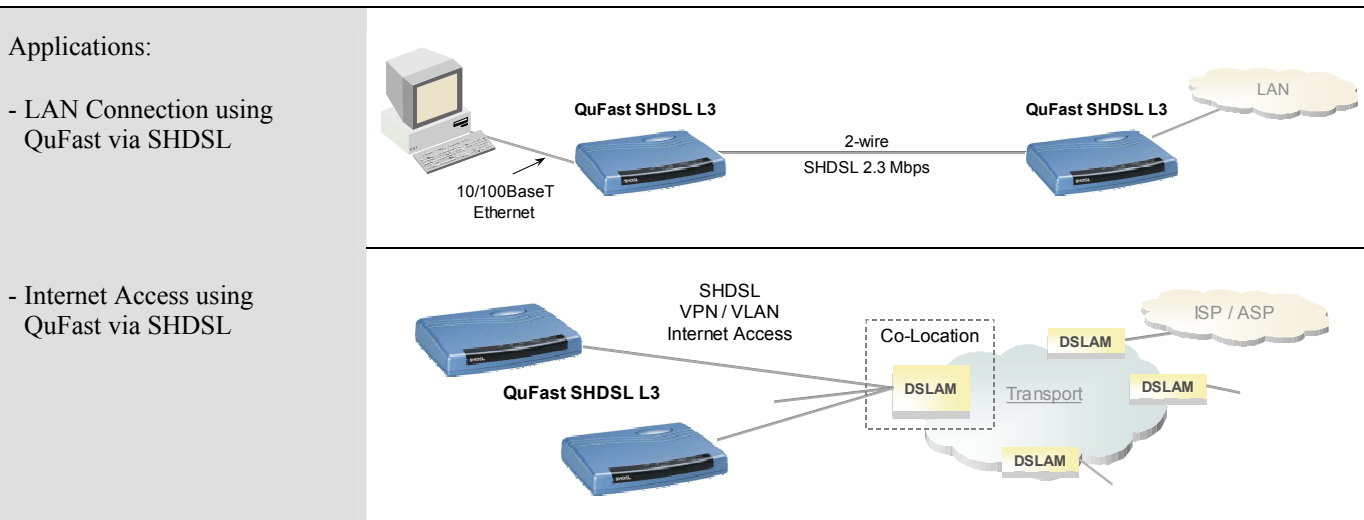
The QuFast SHDSL router, provides an SHDSL network interface ranging from 192 kbps to 2.304 Mbps payload rates.

The QuFast SHDSL router is designed not only to optimize the service bit rate from central office to customer premises it also integrates high-end Bridging/Routing capabilities.

The QuFast SHDSL router allows customers to leverage the latest in broadband technologies to meet their growing data communication needs.

It is possible to use the QuFast in a DSLAM application with PPPoA or PPPoE for SHDSL Internet access or in a Point-to-Point application for LAN connections.

The QuFast SHDSL L3/S supports four 10Base-T /100Base-T auto-negotiation and auto-MDIX switching ports to meet the enterprise need.



### Technical Specifications

Routing / Bridging	<ul style="list-style-type: none"> <li>• IP Routing</li> <li>• DHCP Server</li> <li>• DNS Relay and Caching</li> </ul>	<ul style="list-style-type: none"> <li>• Static Routing and RIPv1/RIPv2</li> <li>• IP Masquerading NAT/PAT</li> <li>• IEEE 802.1D Transparent Bridging</li> </ul>
Configuration / Network Management	<ul style="list-style-type: none"> <li>• Local Console (RS232)</li> <li>• Telnet Access</li> <li>• Web-Based GUI (HTTP)</li> <li>• Password Control</li> </ul>	<ul style="list-style-type: none"> <li>• SNMPv1/SNMPv2 Agent</li> <li>• MIB II</li> </ul>
Software Upgrading	<ul style="list-style-type: none"> <li>• TFTP download</li> </ul>	
Memory	<ul style="list-style-type: none"> <li>• 2 MB Flash Memory, 4 MB SDRAM</li> </ul>	
ATM	<ul style="list-style-type: none"> <li>• Up to 8 PVCs</li> <li>• Traffic Shaping UBR</li> <li>• AAL5</li> <li>• OAM F5 Loopback</li> <li>• ATM Forum UNI 4.0</li> </ul>	<ul style="list-style-type: none"> <li>• VC Multiplexing and SNAP/LLC</li> <li>• Ethernet over ATM (RFC 1483)</li> <li>• PPP over ATM (RFC 2364)</li> <li>• Classical IP over ATM (RFC 1577)</li> </ul>
PPP	<ul style="list-style-type: none"> <li>• PPP over Ethernet (RFC 2516)</li> <li>• PPP over ATM (RFC 2364)</li> <li>• User Authentication with PAP/CHAP/MS-CHAP</li> </ul>	
SHDSL Line Specification	Line Code Up/Downstream Impedance Distance / typical value	TC-PAM / ITU-T G.991.2 (Annex A, Annex B) up to 2.3 Mbps - n x 64 kbps (n = 1-36) 135 Ohms up to 5 km @ Ø 0.6 mm (2.3 Mbps)
Interface	LAN WAN User Interface	Ethernet / Connector: RJ-45 SHDSL Line / Connector: RJ-11 Console port / RS-232 D-sub 9 pin connector
Physical Conditions	Dimension (W x H x D)	187 x 33 x 145 (mm)
Environmental Conditions	Temperature Humidity	0° ~ 45° C 5 ~ 95 % RH (non-condensing)
Power	Input / Consumption	100 ~ 240 VAC, 50 ~ 60 Hz, (9 VDC) / ~ 6 Watt
Indicators / 6 LEDs	General WAN / SHDSL LAN	PWR LNK, ACT LNK/ACT, 100M
Order codes	Product name QuFast SHDSL CPE-L3 QuFast SHDSL CPE-L3/S	Order number G.SHDSL Router/Bridge 94-840-10180 G.SHDSL Router/Bridge, 4-Port Switch 94-840-10210
Supplier	Quante Netzwerke GmbH Ahrensburger Straße 8 D-30659 Hannover Tel: +49 (0)511 / 74 01 92-0 Fax: +49 (0)511 / 74 01 92-100 Internet: www.quante-netzwerke.de	