

# Tahoe 635

2-wire G.shdsl+ modem with V.35 interface

Tahoe 635 modem takes advantage of the latest G.shdsl technology. It offers throughputs up to 4.6 Mbps on a 2-wire (1-pair) with higher reach than HDSL modems.

In addition to typical G.shdsl modulations, TCPAM-32 coding - much more efficient than the standard TCPAM-16, offering higher speeds and greater reach, is provided.



## Modem Reach:

The values below were measured on an 0.5mm diameter test line and should be treated as approximate values. The real values may be different than those provided below – they can be higher on high quality lines and lower on lines of inferior quality.

Throughput	Range
4864 kbps	2700 m
3072 kbps	3500 m
2048 kbps	3900 m
1024 kbps	5000 m
512 kbps	6900 m

## Technical Details:

Processor	Motorola MC68302
Modulations	TCPAM-32, TCPAM-16, TCPAM-8, TCPAM-4, PAM-16, PAM-8, PAM-4 (2B1Q)
Dimensions	200 mm (width) x 130 mm (length) x 45 mm (height)
Power Supply	external 100-240VAC/50-60Hz power supply included optional 48 VDC power supply

## Standards

G.shdsl modem, conforms to ITU G.991.2

## Throughput

from 64 kbps to 4664 kbps on a 2-wire (1-pair) (set with 64 kbps step)

## Modulation

### TCPAM-32

- up to 30% greater reach in comparison to HDSL
- up to three times higher throughput over the lines with bandwidth limiting devices such as low-pass filters

## Interface

V.35 conforming to ISO-2539 (Winchester connector)

## Features

- built-in LCD and keyboard for easy configuration
- serial console management
- remote modem management through leased line
- external alarm monitoring
- automatic traffic shifting to the remaining pairs in the case of line failure.