

TELLABS DXX QMH/HCQ ARAYÜZ TEKNİK ÖZELLİKLERİ

QMH/HCQ arayüzü ile 2 Mbps ye kadar olan kiralık devre müşteri talepleri karşılanmaktadır.

Arayüz sayısı: 4 adet ETSI HDSL arayüz sağlar.

Arayüz Tellabs CTU ve HTU serisi HDSL modemlerle uyumlu olarak çalışmaktadır.

Bağlantı: 2 ve 4 telli full duplex with echo cancellation .

Güç tüketimi:

Line Rate	Power
2 x 0.5M	6.7 W
2 x 1M	7.3 W
2 x 2M	9.0 W

Mekanik Veri:

Width	228 mm
Depth	128 mm
Height	17.5 mm
Weight	275 g

Empedans: 135 Ω

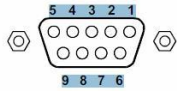
Çalışma mesafesi: Kullanılan kablo ve hız oranına göre 2-7 km mesafede çalışabilir.

Hat kodlama: 2B1Q

Hız: 4608 Kbps (her bir arayüz için)

Transmit Spectrum: ETSI TS 101 135 [2] (applicable parts)

Konnektör: DB9 (9-pin female D-connector)



HCQ Line Connector Pin Assignment

Pin n.	Signal Name	Signal Description
1	TRXD1A	Pair 1 Tx/Rx data A-wire
2	TRXD1B	Pair 1 Tx/Rx data B-wire
3		
4	TRXD2A	Pair 2 Tx/Rx data A-wire
5	TRXD2B	Pair 2 Tx/Rx data B-wire
6	RPF1A	Remote power feed to pair 1
7	RPF1B	Remote power feed to pair 1
8	RPF2A	Remote power feed to pair 2
9	RPF2B	Remote power feed to pair 2

Send level range: 13.5 \pm 0.5 dBm @ 135 Ω

Desteklediği arayüzler: V35, X21, G703

Return loss: 16 dB from 40 kHz to 485 kHz

Common mode rejection: 50 dB from 5 kHz to 485 kHz

Overvoltage protection: Gas discharge tubes, diodes.

Requirements for transmitted signal power spectral density for line rates: ETSI Technical Specification TS 101135 V1.4.1 (1998-02)

Gürültü oranları

Maximum Cable Length Test Results for a 0.5 mm Cable

Line Rate (kbit/s)	Noise Level (dB)	Cable Length (km)	Rx Level (dBm)
592	No noise	7.4	-26
	5 $\mu\text{V}/\sqrt{\text{Hz}}$	6.3	-20.5
	10 $\mu\text{V}/\sqrt{\text{Hz}}$	5.5	-16
1168	No noise	6.7	-26
	5 $\mu\text{V}/\sqrt{\text{Hz}}$	5.0	-16.5
	10 $\mu\text{V}/\sqrt{\text{Hz}}$	4.2	-12
2320	No noise	4.9	-21
	5 $\mu\text{V}/\sqrt{\text{Hz}}$	3.4	-12
	10 $\mu\text{V}/\sqrt{\text{Hz}}$	2.9	-8.5

Maximum Cable Length Test Results for a 0.4 mm Cable

Line Rate (kbit/s)	Noise Level (dB)	Cable Length (km)	Rx Level (dBm)
592	No noise	5.4	-26
	5 $\mu\text{V}/\sqrt{\text{Hz}}$	4.6	-21
	10 $\mu\text{V}/\sqrt{\text{Hz}}$	3.8	-15
1168	No noise	5.0	-26.5
	5 $\mu\text{V}/\sqrt{\text{Hz}}$	3.8	-17.5
	10 $\mu\text{V}/\sqrt{\text{Hz}}$	3.2	-13
2320	No noise	3.8	-22
	5 $\mu\text{V}/\sqrt{\text{Hz}}$	2.6	-13
	10 $\mu\text{V}/\sqrt{\text{Hz}}$	2.2	-8.5