

**STC-TDM20x overview**

As a cost effective solution for the traditional telecom services migrate to the IP packet networking technology, the STC-TDM20x adopts the innovative TDM over IP technology, it transports the legacy E1 data through existing IP networks.

STC-TDM20x is the second generation of the TDM over IP equipment with IP circuit emulation that supports transportation of two E1 and two local Ethernet ports over the IP networks. The uplink port and user data ports are IEEE 802.3 compliant, 10/100BaseT auto-sensed Ethernet ports.

The state-of-the-art design provides the highest availability with the accurate timing signal and data bit stream reconstruction. Predefined system parameter profiles that according to different application requirements ultimately simplify the installation process and saving the maintenance cost.

Telecom and Enterprise users can save a lot of access and equipment costs and generates new revenue by offering different types of services over existing Ethernet networks. It is also suitable for connecting to the wireless equipment to achieve fast deployment of E1 services. One particular application is to build E1 links with low cost Wireless LAN bridges, replacing much more costly microwave radios. Carriers can use STC-TDM20x to provide legacy TDM services over wired or wireless packet network.



**Functionality**

1. Stable E1 Clock recovery, low jitter and wander
2. Low processing delay for E1 channels, high bandwidth usage efficiency
3. Resist to packet loss, with PCM frame synchronisation protection
4. User definable packet size from 128 bytes up to 1408 bytes
5. Enough jitter buffer to resist packet delay variation (PDV)
6. Local Ethernet port throughput limiting, assuring E1 QoS
7. Local and remote E1 LOS and AIS and packet loss indication for trouble shooting and maintainance
8. Adaptive E1 port impedance (75Ω and 120Ω) for coax and twisted pair cables
9. User selectable layer 2 (Ethernet) or Layer 3 (IP) encapsulation options
10. Quick setup hardware mode switch
11. Support cascade concatenate for more then 2 E1 ports



**Specification**

Model	STC-TDM200	1x WAN uplink, 2x E1
	STC-TDM201	1x WAN uplink, 2x E1, 2x LAN
Interfaces	E1-ports	2x E1 supported Comply with G.703 Impedance: 75 Ω and 120 Ω
	Data ports	2x LAN supported Comply with IEEE 802.3 10/100Mbit auto-sense Full/Half Duplex auto-sense
Console	RS232, DB9F	9600-8-N-1
Power Supply	AC	220V (165~265V)
	DC	+24V (+18V~+36V)
	Consumption	< 10W
Work environment	Temperature	0~50°C
	Relative Humidity	< 90% (non-condensing)
Dimension	WxHxD (mm)	440x44x209

<b>TDM over IP</b>	WAN	E1	LAN ports	Management	Alarm traps	QoS	VLAN
STC-TDM200	1	2	-	console	-	Yes	Yes
STC-TDM201	1	2	2	Web/console	-	Yes	Yes
STC-TDM400	2	4	2	Web/console	-	Yes	Yes
STC-TDM800	2	8	2	SNMP/Web	Yes	Yes	Yes

Sweden Telecom AB  
Main office



Phone +46 (0) 18-610 00 60  
Fax +46 (0) 18-610 00 61  
sales@swedentelecom.com

**Reseller information**