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Overview

Cisco third generation Voice & WAN T1/E1 interface card supports voice and data application on Cisco ISR 2 1900/2900/3900 series platform. This module integrate with 2 T1/E1 interfaces, one port can configure for unstructured E1 (G.703) while configuring the other for structured framed E1 to support both Voice and WAN connectivity via one interface module.

Quick Specification

Model	VWIC3-2MFT-T1/E1
Device Type	Interface module
Form factor	2-Port T1/E1 Multiflex Trunk Voice/WAN Interface Card

Product Details:

The Front Panel:

Accessories For VWIC3-2MFT-T1/E1:

Platform Support and Minimum Cisco IOS Software Release Requirements:

Part Number	VWIC3-2MFT-T1/E1

Cisco 1900 Chassis EHWIC Slots	15.0(1)M3, 15.1(1)T1, 15.1(2)T
Cisco 2900 Chassis EHWIC Slots	15.0(1)M3, 15.1(1)T1, 15.1(2)T
Cisco 3900 Chassis EHWIC Slots	15.0(1)M3, 15.1(1)T1, 15.1(2)T

* VWIC3-4MFT-T1/E1is supported on Cisco 2911, 2921, 2951 and Cisco 3900 Series routers

Cisco MFT VWIC3 Card Feature Comparison:

Part Number	VWIC3-2MFT-T1/E1
Number of Ports	2
T1 Support	Yes
E1 Support	Yes
Unstructured E1 (G.703) Support	No
Data Support WIC Mode	Yes
Voice Support VIC*	Yes
Drop-and-Insert Multiplexing	Yes

Cisco MFT VWIC3 Card Configuration:

Configuration Description	2-port Cards VWIC3-1MFT-T1/E1, VWIC3-2MFT-G703
Data Only	
Serial Data (channel-group*)	2 total 2 per port
Voice Only	
Voice CAS (ds0-group**)	48 total (T1) 62 total (E1) 1 per timeslot
Voice, Video and Data	
PRI (pri-group***)	2 total 1 per port
Drop & Insert (tdm-group****)	48 total (T1) 62 total (E1) 1 per timeslot

* Channel Group refers to bonding of one or more timeslots into a single HDLC-framed serial connection for IP data traffic connectivity. This is used for HDLC, Frame Relay and MLPPP serial WAN connections.

** Ds0 Group refers to Bonding of one or more timeslots into a single TDM voice connection using Channel Associated Signaling (CAS) such as E&M, FXS or FXO. This is used for TDM PBX or PSTN connections and typically deployed only on T1.

*** PRI Group refers to bonding of two or more timeslots into a single TDM connection using ISDN signaling. This is typically used for TDM PBX or PSTN voice and video connections on T1 and E1, and also for data WAN connections on E1. Each call on the PRI is individually indicated as being a voice, video or data call with the ISDN bearer capability delivered with the call. Signaling is done on the D-channel, which is always channel 24 on a T1, and channel 31 on an E1.

**** TDM Group refers to cross-connecting one or more timeslots from one TDM interface to another. This is used to groom channels from different access points onto a combined T1 or E1 uplink. Since the router merely cross-connects and does not interpret or route the traffic from the ingress interface to the egress interface, the traffic type (voice, video and data) is transparent to the router.

Get more information:

Do you have any question about the VWIC3-2MFT-T1/E1?

Contact us now via e-mail: info@hi-network.com

Specific Data Sheet:

Model	VWIC3-2MFT-T1/E1
Manufacturer	Cisco
Device Type	Interface module
Form factor	2-Port T1/E1 Multiflex Trunk Voice/WAN Interface Card
Number of Ports	2
T1 Support	Yes
E1 Support	Yes
Unstructured E1 (G.703) Support	No
Data Support WIC Mode	Yes
Voice Support VIC*	Yes
Drop-and-Insert Multiplexing	Yes
Configuration Comparison	
Serial Data (channel-group*)	2 total 2 per port
Voice CAS (ds0-group**)	48 total (T1) 62 total (E1) 1 per timeslot
PRI (pri-group***)	2 total 1 per port
Drop & Insert (tdm-group****)	48 total (T1) 62 total (E1) 1 per timeslot
Network Management Features	
Telnet or Console	Remote and local configuration, monitoring, and troubleshooting from Cisco IOS Software CLI
Simple Network Management Protocol (SNMP)	• Router and DSU/CSU managed by single SNMP agent; router, DSU, and CSU appear as a single network entity to user • Standard MIB (MIB II)

	• Cisco Integrated DSU/CSU MIB
	• RFC 1406 T1 MIB, Including Alarm Detection and Reporting
SNMP Traps	Generated in response to alarms

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