

New Product: FlexWAN Module for Catalyst 6x00 Family (WS-X6182-2PA)

Product Overview

The FlexWAN module (WS-X6182-2PA) extends scalable WAN and MAN connectivity options to the Catalyst 6000 Series, simplifying network design and reducing the cost of network management, maintenance, and training. The FlexWAN module supports the majority of Cisco 7200 and 7500 WAN single wide interfaces, ranging from fractional T1/E1 to OC3 offering flexible migration options for Cisco 7200 and 7500 series customers and providing a bridge between existing LAN/WAN/MAN and legacy networks to future high-speed converged networks.

Key Features and Benefits

Table 21-50: Features and Benefits of FlexWAN module

Key Features	Benefits
WAN/MAN/LAN connectivity in one platform	Simplifies network design, configuration and installation, resulting in lower total cost of ownership
Cisco 7x00 series WAN interfaces	Provides investment protection, enabling smooth migration from existing networks
High speed intelligent IP services, including rich set of security and QoS features	Enables new application offerings while easing network transitions
Multiple FlexWAN modules per chassis	Provides scalable deployment options for DS0-OC3 WAN connectivity
Broad range of protocols supported including PPP, HDLC, Frame Relay, ATM, PoS.	Eases integration into new and existing networks
Complements next generation optical services modules	Provides path for migration to optical WAN/MAN networking

FlexWAN WAN Port Adapter Support

Table 21-51: Supported Cisco 7200/7500 Series WAN Port Adapters on FlexWAN Module

Supported Cisco 7200/7500 Series WAN Port Adapters				
T1/E1	T3/E3	HSSI	ATM	Packet over SONET
PA-4T+	PA-T3	PA-H	PA-A3-T3	PA-POS-OC3MM
PA-8T-V35	PA-T3+	PA-2H	PA-A3-E3	PA-POS-OC3SMI
PA-8T-232	PA-E3		PA-A3-OC3MM	PA-POS-OC3SML
PA-8T-X21	PA-2T3		PA-A3-OC3SMI	
PA-MC-8T1	PA-2T3+		PA-A3-OC3SML	
PA-MC-8E1/120	PA-2E3			
	PA-MC-T3			
PA-MC-2T3+	PA-MC-E3			

Table 21-52: Unsupported Cisco 7200/7500 Series WAN Port Adapters on FlexWAN Module

Unsupported Port Adapters		
LAN	Double Wide PA	Others
All Ethernet	PA-A2-4T1-xxxx	ISDN Basic Rate PAs
All Fast Ethernet	PA-SRP-OC12xx	Compression

Unsupported Port Adapters

All Gigabit Ethernet

Encryption

All FDDI

All Token Ring

Specifications

Hardware

Physical Specifications

- Occupies one slot in a Catalyst 6x00 family switch
- Up to five (5) FlexWAN modules supported in a six (6) slot chassis
- Up to eight (8) FlexWAN modules supported in a nine (9) slot chassis
- Required: Supervisor Engine with Multilayer Switch Feature Card (MSFC) and Policy Feature Card (PFC).

Processors, Memory and Software

- Dual 263 MHz RM7000 processors
- 64 MB ECC SDRAM memory for each port adapter slot, or 128 MB aggregate for the entire FlexWAN module (default)
- Configurable option for up to 128 MB ECC SDRAM memory for each port adapter slot, or 256 MB aggregate for the entire FlexWAN module
- 16 MB Flash memory
- FlexWAN requires at least Catalyst software version 5.4(1) on the Supervisor1, Catalyst 6.1(1) on Supervisor 2. Minimum Cisco IOS software release for MSFC support with FlexWAN is 12.1(1)E, and for MSFC2 is 12.1(3a)E.

Software

See part number table below.

Ordering Information

Where to buy Cisco products

Visit http://www.cisco.com/public/ordering_info.shtml

Product and Part Numbers

Part Numbers for the FlexWAN module for Catalyst 6x00

Part Description	Part Number
Catalyst 6x00 Family FlexWAN module (Supports up to 2 WAN Port Adapters)	WS-X6182-2PA
Catalyst 6x00 Family FlexWAN module, spare (Supports up to 2 WAN Port Adapters)	WS-X6182-2PA=
Catalyst 6x00 family FlexWAN memory, 128 MB DRAM option	MEM-C6K-WAN-128M=
Catalyst 6x00 family FlexWAN memory, 128 MB DRAM upgrade kit	MEM-C6K-WAN-128M=
Cisco IOS for FlexWAN/MSFC support	SC6182-12.1(1)E and following releases
Cisco IOS for FlexWAN/MSFC2 support	SC6182-12.1(3a)E and following releases

Documentation

For part numbers for product specific documentation, visit

http://www.cisco.com/univercd/cc/td/doc/pcat/swdo__d1.htm

