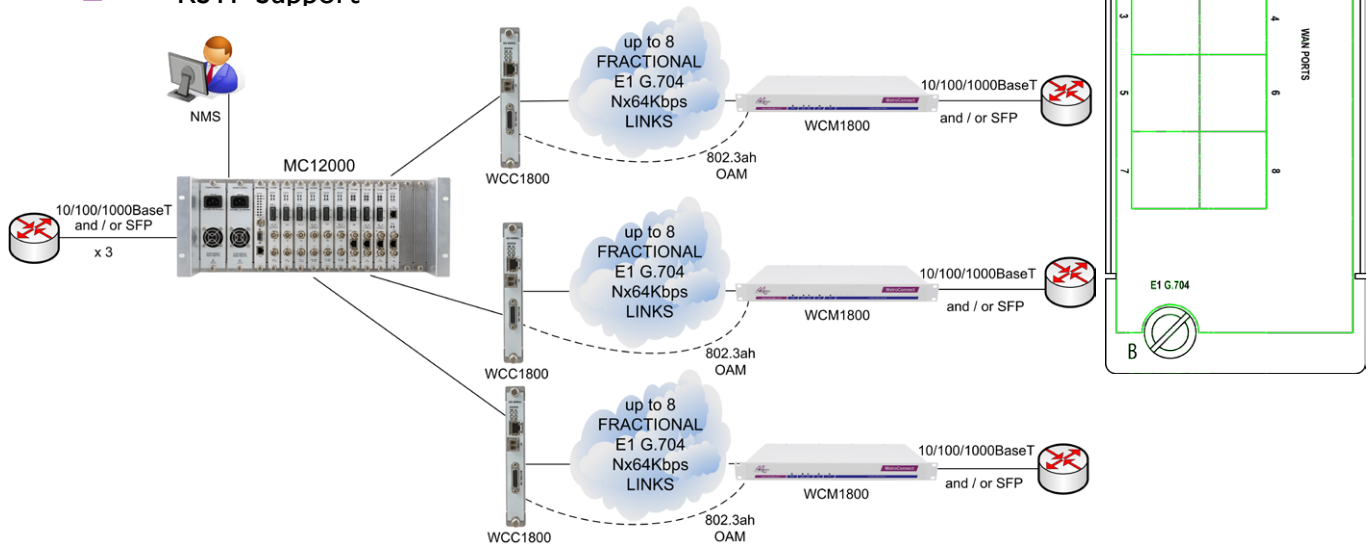


- LAN extension over 8-port Clear-Channel or Fractional EI/TI services
- 10/100/1000BaseT Copper Port
- SFP socket supporting:
 - 1000Base-X
 - 100Base-FX
- “Hot Swap” IO Module
- Link State Forwarding
- Jumbo Frame Support (10kbyte)
- 802.3ah OAM support
- 802.1q VLAN support (pass-through and tag switching)
- 802.1p priority queuing (4 queues)
- RSTP Support



The WCCI800 is an I/O module for use in the MetroCONNECT MCI2000 system. The WCCI800 occupies a double slot in the MCI2000 chassis and is fully “Hot Swap” compliant to ease maintenance and the provisioning of new services.

The WCCI800 module can be used for Ethernet Service Provision, offering LAN extension over up to 8 off Clear-Channel or Fractional EI/TI services using VCAT. The WCCI800 supports auto-negotiation, and auto MDI/MDIX cross-over switching on the copper LAN interface. A further LAN interface is provided via an SFP port, offering either an additional RJ45 connection or a variety of multi-mode and single-mode fibre interface options. This port auto-senses the SFP type inserted, and configures for 100BaseFx or 1000Base-X operation.

To ensure reliable operation, the WCCI800 supports LCAS whereby EI/TI links are automatically added and withdrawn from the VCAT group based on availability. Link State Forwarding is supported, whereby faults on ALL uplink ports will automatically force a link down on the user ports to indicate to the attached devices that there is a link problem. The transmission of Jumbo frames is supported, with internal packet buffering used to smooth out bursty traffic without packet loss.

MetroCONNECT WCCI800

Managed LAN Extender over up to 8-port EI/TI Module

Remote management can be performed using Ethernet OAM, SNMP or Telnet, in conjunction with the Management Module of the MCI2000 system.

The WCCI800 supports VLAN in two ways. In normal mode, VLAN tagged frames are passed unmodified; however when VLAN support is enabled, the WCCI800 supports VLAN tag-based switching whereby access may be controlled using VLAN IDs.

VLANs can also be used to select which site to forward user data to using up to 4 VCAT groups e.g. when using a WCCI800 module supporting eight EI ports at a central site with four WCM1100 or WCM1400 units each supporting up to four EI ports at four remote sites.

Specifications

WCCI800 Subscriber Port Specs		WCCI800 WAN Port Specs	
Port	10/100/1000baseT with auto-negotiation and Jumbo frame support	Mode	8 ports of EI or TI
Interface	RJ45 (Auto Crossover MDI/MDIX)	Presentation	EI 120 ohm RJ45, TI 100 ohm RJ45
Operating modes	Auto Negotiate, 10M, 100M, 1000M Full Duplex, Half Duplex	Line Rate	EI 2.048 Mbps, TI 1.544 Mbps
LEDs	Link Activity, Speed	Timing	Internal or loop
1000Base-X Fibre Interface		Encapsulation	HDLC, GFP G.8040 LCAS G.7042, VCAT G.7043
SFP Port Interface	IEEE802.3z 1000Base-X Dual LC	Compliance & Approvals	
SFP 1000Base SX		Safety	EN60950, IEC-60825-1 (Class I Laser Eye Safety)
Wavelength	850nm Multimode	EMC	EN55022, EN50082
Max Rx input power	0 dBm	Environment	
Rx sensitivity	-17 to 0 dBm	Temp	0 to 50 deg C
Optical loss budget	7.5dB (550m)	Humidity	0 - 95% RH, non condensing
Tx power	-9.5 to -3 dBm	Pressure	86 - 100 KPa
SFP 1000Base LX		Storage Temp	-40 to 100 deg C
Wavelength	1300nm Singlemode		
Max Rx input power	0 dBm		
Rx sensitivity	-17 to 0 dBm		
Optical Loss budget	9.5dB (10km)		
Tx power	-9.5 to -3 dBm		

Order codes

Product	Model Number
WCCI800	80-16-8542
1000BaseSX SFP	80-31-011
1000BaseLX SFP	80-31-031