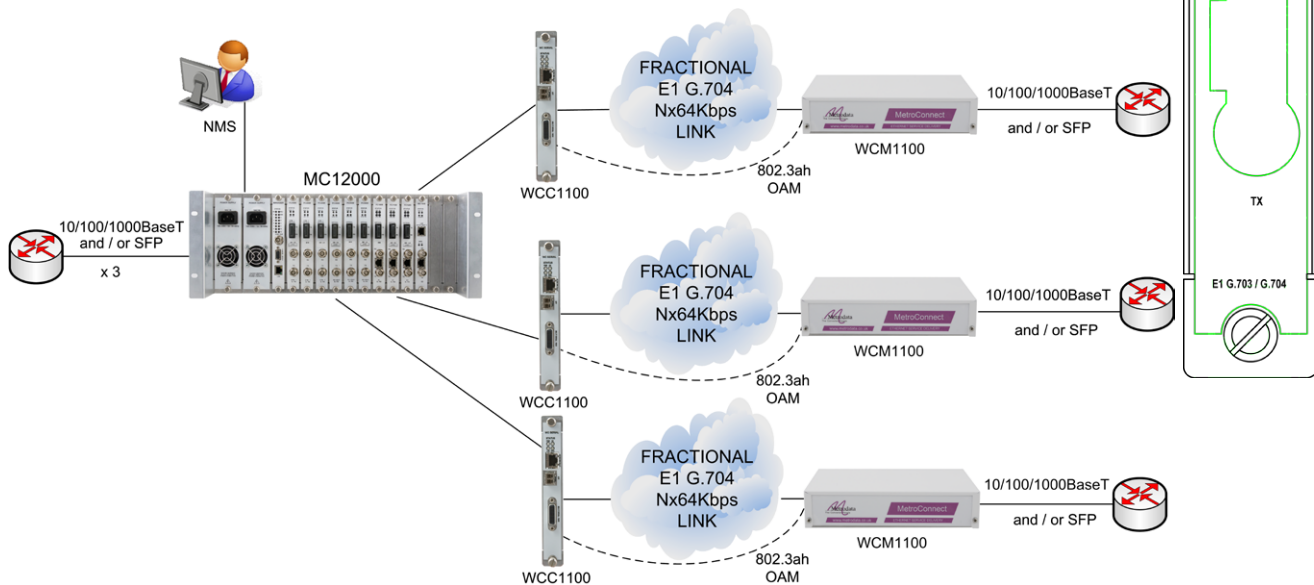


- LAN extension over Clear-Channel or Fractional EI/TI services
- 10/100/1000BaseT Copper Port
- SFP socket supporting:
 - 1000Base-X
 - 100Base-FX
- “Hot Swap” IO Module
- Link State Forwarding
- Jumbo Frame Support (10kbyte)
- 802.3ah OAM support
- 802.1q VLAN support (pass-through and tag switching)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



datasheet WCCI 100 Module

The WCCI 100 is an I/O module for use in the MetroCONNECT MCI 2000 system. The WCCI 100 occupies a single slot in the MCI 2000 chassis and is fully “Hot Swap” compliant to ease maintenance and the provisioning of new services.

The WCCI 100 module can be used for Ethernet Service Provision, offering LAN extension over a Clear-Channel or Fractional EI/TI service. The WCCI 100 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.

Link State Forwarding is supported, whereby an EI fault 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.

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

The WCCI 100 supports VLAN in two ways. In normal mode, VLAN tagged frames are passed unmodified; however when VLAN support is enabled, the WCCI 100 supports VLAN tag-based switching whereby access may be controlled using VLAN IDs.

Specifications

WCCI 100 Subscriber Port Specs		WCCI 100 WAN Port Specs	
Port	10/100/1000baseT with auto-negotiation and Jumbo frame support	Mode	EI or TI
Interface	RJ45 (Auto Crossover MDI/MDIX)	Presentation	EI 75 ohm dual BNC, 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
SFP Port	IEEE802.3z 1000Base-X	Compliance & Approvals	
Interface	Dual LC	Safety	EN60950, IEC-60825-1 (Class I Laser Eye Safety)
SFP 1000Base SX		EMC	EN55022, EN50082
Wavelength	850nm Multimode	Environment	
Max Rx input power	0 dBm	Temp	0 to 50 deg C
Rx sensitivity	-17 to 0 dBm	Humidity	0 - 95% RH, non condensing
Optical loss budget	7.5dB (550m)	Pressure	86 - 100 KPa
Tx power	-9.5 to -3 dBm	Storage Temp	-40 to 100 deg C
SFP 1000Base LX			
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
WCCI 100	80-16-542
1000BaseSX SFP	80-31-011
1000BaseLX SFP	80-31-031