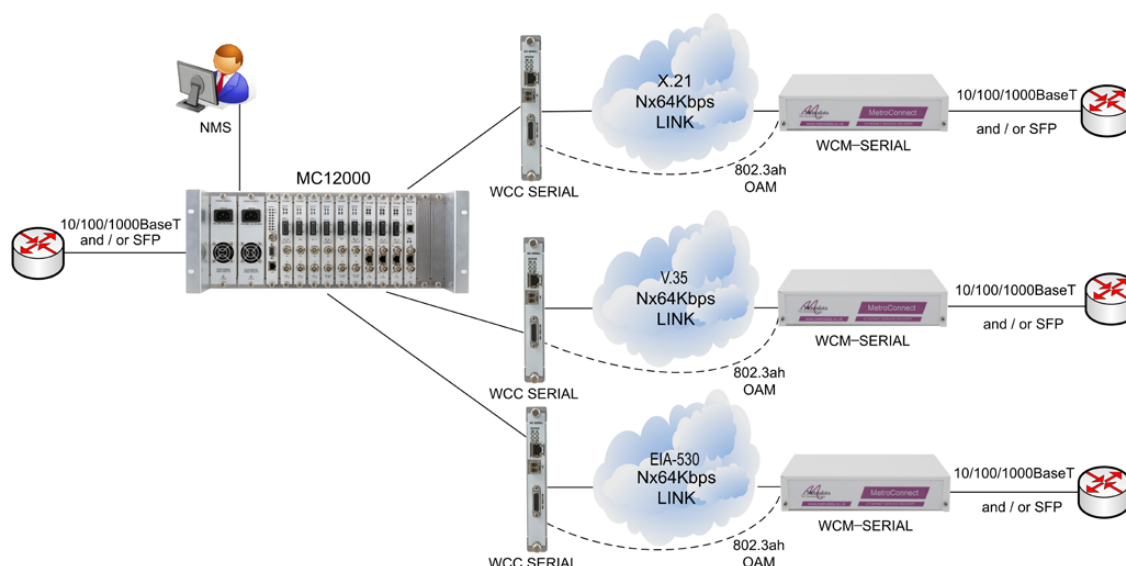


MetroCONNECT WCC-Serial

Managed LAN Extender over Serial Services Module

- LAN extension over Serial services, X.21, V.35 & EIA-530
- 10/100/1000BaseT Copper Port
- SFP socket supporting:
 - 1000Base-X
 - 100Base-FX
- “Hot Swap” IO Module
- Link Loss 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 **WCC-Serial Module**

The WCC-Serial is an I/O module for use in the MetroCONNECT MC12000 system. The WCC-Serial occupies a single slot in the MC12000 chassis and is fully “Hot Swap” compliant to ease maintenance and the provisioning of new services.

The WCC-Serial module can be used for Ethernet Service Provision, offering LAN extension over Serial services, either X.21, V.35 or EIA-530 via associated interface cables. The WCC-Serial 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 Loss Forwarding is supported, whereby faults on the uplink port 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/SSH, in conjunction with the Management Module of the MCI2000 system.

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

Specifications

WCC-Serial Subscriber Port Specs		WCC-Serial WAN Port Specs	
Port	10/100/1000baseT with auto-negotiation and Jumbo frame support	Interface	Cisco compatible Serial
Interface	RJ45 (Auto Crossover MDI/MDIX)	Presentation	60 way Female D Type
Operating modes	Auto Negotiate, 10M, 100M, 1000M	Line Rate	15Mbps (max)
LEDs	Full Duplex, Half Duplex Link Activity, Speed	Cabling Examples:	
		Use CABX21-MT for connection to X.21 NTU	
		Use CABV35-MT for connection to V.35 NTU	
1000Base-X Fibre Interface		Compliance & Approvals	
SFP Port	IEEE802.3z 1000Base-X	Safety	EN60950, IEC-60825-1 (Class I Laser Eye Safety)
Interface	Dual LC	EMC	EN55032
SFP 1000Base SX		Environment	
Wavelength	850nm Multimode	Temp	0 to 50 deg C
Max Rx input power	0 dBm	Humidity	0 - 95% RH, non condensing
Rx sensitivity	-17 to 0 dBm	Pressure	86 - 100 KPa
Optical loss budget	7.5dB (550m)	Storage Temp	-40 to 100 deg C
Tx power	-9.5 to -3 dBm		
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	Part Number
WCC-Serial	80-16-545-1
1Gbps MM 550m 850nm	80-31-011
1Gbps SM 10km 1300nm	80-31-031