

- LAN extension over Serial WAN services at up to 20Mbps
- Dual RJ45 ports offering local Switched Ethernet connections up to 100Mbps
- Flexible Serial connection using 'Cisco-compatible' cables, offering X.21, V.35 or EIA-530 'plug and play' connection with no additional configuration necessary.
- Fully transparent to regular Ethernet traffic, with or without assigned VLAN tagging, and to all higher-level protocols including IP
- Link Loss Forwarding
- Integral auto-sensing AC (110V-250V) or -48VDC PSUs
- 12V & 24V PSUs also available on request
- Optional rack-mounting kit available



**WC-Serial LAN Extender over Serial Services**

The WC-Serial is a member of the MetroCONNECT family, offering LAN extension over Serial services. Support is offered for fractional (including Nx 64Kbps) X.21, V.35 and EIA-530 services up to 20Mbps. The WC-Serial supports auto negotiation and auto MDI/MDI-X cross-over switching on two RJ45 LAN interfaces.

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 WC-Serial is completely 'plug-and-play' in operation, with no configuration necessary. The multi-standard Serial connector automatically adapts to whichever Serial standard (X.21, V.35 or EIA-530) is required, based purely on the interface cable type being used, selected typically from the Cisco 'CAB-XXX-MT' range for NTU connection. Such interface cables are readily available at low cost, and present standard interface connectors for each Serial interface type.

The WC-Serial is a high-quality device, featuring a robust metal casing and fully internal Power Supplies, connected via standard 'IEC' mains cables or high-quality locking DC connectors, as appropriate. The product can be used stand-alone, or shelf mounted (the product has non-slip rubber feet), or can optionally be rack-mounted using the RMK2R 1U, 19" rack-mount bracket.

### Specifications

WC-Serial Subscriber Port Specs		WC-Serial WAN Port Specs	
Port	2x 10/100baseT port with auto-negotiation	Interface	Cisco compatible Serial
Interface	RJ45 (Auto Crossover MDI/MDIX)	Presentation	60 way Female D Type
Operating modes	Auto Negotiate, 10M, 100M Full Duplex, Half Duplex	Line Rate	20Mbps (max)
LEDs	Link Activity, Speed	Cabling examples	Use CABX21-MT for connection to X.21 NTU Use CABV35-MT for connection to V35 NTU
Environment		Compliance & Approvals	
Temp	0 to 50 deg C	EMC	EN55022, EN55024
Humidity	0 - 95% RH, non condensing	Power supply	
Pressure	86 - 100 KPa	-48 VDC	-40 to -72 VDC, 125 - 65mA
Storage Temp	-40 to 70 deg C	AC Mains	100 - 250 VAC 50 - 60 Hz, 60 - 25mA
Packaging & Dimensions (WxDxH mm)		Power consumption	6 watts approx when operating
Type	Modem, 1U high without feet		
Rackmount	202 x 132 x 44 (without feet)		
Tabletop	202 x 132 x 48 (with feet)		

### Order codes

Product	100 - 250 VAC	-48 VDC
WC-Serial	80-05-545-1	80-21-545-1
1U 2 Unit Rackmount Kit	80-05-256	80-05-256
6U 18 unit Rackmount Kit	80-05-250	80-05-255