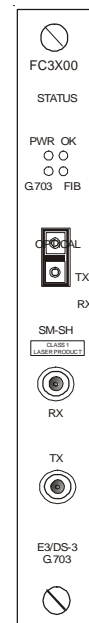


MetroRack chassis

Metrodata's MetroRack presents you with a centralised management option which offers efficient use of limited rack space by enabling a high card density. The MetroRack is a 4U high, 19" rack based chassis unit which has 13 available slots that can accommodate the SNMP management module and a selection of I/O interface modules. Spare Modules can be resident in the chassis ready for immediate additional functionality or to provide 'in situ' spares. Ease of maintenance and the provisioning of new services is fulfilled through the modules and power supplies being "hot swap" compliant.



FC3X00 module



MetroRack FC3X00
datasheet

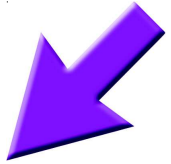
The FC3X00 models extend an E3/DS-3 G.703 signal over a pair of single-mode or multi-mode fibres. The FC3X00 will extend E3/DS-3 over several kilometres.

The three FC3X00 models provide single mode short haul, single mode long haul or multi-mode fibre interfaces using SC connectors. The E3/DS-3 interface uses a pair of BNC connectors. The FC3X00 provides a clear channel or unchannelised E3/DS-3 path over the fibre. This means that the signal can be either framed or unframed.

For more data on Metrodata products, visit our website at www.metrodata.co.uk
Metrodata reserves the right to change specifications without notice.
Please check when ordering.

Part No: 79-03-097A





FC3X00 Specifications

| Single-mode Short-haul Fibre Interface | | Line E3/DS-3 Electrical Interface | |
|--|--------------------------------|-----------------------------------|--------------------------------|
| Interface | Dual SC single mode 8/125 um | Port | G.703, 75 ohm unbalanced |
| Tx power | -8 dBm to -15 dBm | Interface | BNC (75 ohm), |
| Max Rx input power | -8 dBm | Line coding | E3: HDB3, DS-3: B3ZS |
| Rx sensitivity | -8 to -31 dBm | E3 Bit Rate | 34.368 Mbps +/- 20 ppm |
| Optical loss budget | -15 - (-31) = 16 dB | DS-3 Bit Rate | 44.736 Mbps +/- 20 ppm |
| MetroRack FC3100 | Part No: 80-15-921 | Barrier | Fully barriered per EN41003 |
| Single-mode Long-haul Fibre Interface | | E3 Cable lengths | DS-3 Cable lengths |
| Interface | Dual SC single mode 8/125 um | RG59 = 150 m | RG59 = 120 m |
| Tx power | 0 dBm to -5 dBm | UR202 = 180 m | UR202 = 150 m |
| Max Rx input power | -8 dBm (may need attenuator) | Environment | |
| Rx sensitivity | -8 to -34 dBm | Temp | 0 - 50 deg C |
| Optical loss budget | -5 - (-34) = 29 dB | Humidity | 0 - 95% RH, non-condensing |
| MetroRack FC3200 | Part No: 80-15-922 | Pressure | 86-106 KPA |
| Multi-mode Fibre Interface | | Power supply options | |
| Interface | Dual SC multi-mode 62.5/125 um | -48VDC Supply | -40 to -72 VDC, 200 - 100mA |
| Tx power | -14 to -19 dBm | 100-250 VAC Mains | 100-250 VAC, 50/60 Hz, |
| Max Rx input power | -14 dBm | | 60 - 25mA, IEC connector |
| Rx sensitivity | -14 to -30 dBm | Power Consumption | 6 watts approx when operating |
| Optical loss budget | -19-(-30) = 11dB | Packaging | |
| MetroRack FC3000 | Part No: 80-05-920 | Type | Single card with end-connector |
| Compliance & Approvals | | | |
| Safety | EN41003, EN60950 | | |
| EMC | EN55022, EN50082 | | |
| | | Dimensions | W x Dx H mm |
| | | Rackmount | 25 x 235 x 177 |

datasheet MetroRack FC3X00

About Metrodata

Founded in 1989 and based near London's Heathrow airport, Metrodata is a leading designer and manufacturer of datacommunications hardware for Fixed line, Satellite, Enterprise and Carrier networks. Specialising in interoperability and interconnectivity, Metrodata offers a range of Standard, Niche and System Integrated type products. These include Media converters, Interface converters, Fibre converters, Ethernet extenders and ATM switching and Circuit emulation products. Other specialist products manage high data rates and clock sensitive applications to ensure higher network performance. Metrodata provides COTS products to the commercial, government and defence sectors, as well as developing turnkey products to specific customer requirements.

For more data on Metrodata products, visit our website at www.metrodata.co.uk

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Part No: 79-03-097A

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