

Multi Service PDH Fiber Optical Multiplexer

RC800 series PDH Fiber Optical Multiplexers are ideal optical fiber transmission devices for point-to-point networks, small and medium-sized capacity networks, such as wireless communication base stations, private communication networks and switching networks.

These devices provide one to sixteen E1 (or V.35, 10Base-T) links. They are also locally and remotely monitor and controllable by SNMP through Raisecom NView NNM network management platform.

RC800-30 series 1E1(or V.35) FOM

Features

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| Construction | Chassis module. Compatible with Raisecom RC002 series chassis for central office aggregation, or with Raisecom RC001-1 series chassis for remote standalone. |
| Fiber link option | Dual-strand fiber/single strand fiber (WDM) |
| Transmission distance | Dual-strand fiber: up to 120km Single strand fiber: up to 50km |
| Services | E1 (or V.35) access extension over fiber |
| V.35 Bandwidth | N x 64Kbps, N=1~32, DCE mode (could be DTE mode through cross connected cable) |
| Loop back | Error detection procedures are supported by test loop-back and each E1 channel can be diagnosed by loop-back. |
| SNMP management | Monitor and configure the local and remote equipments by SNMP solution in pairs of module to standalone application or module to module application |

Ordering Information

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|--------------------|---|
| RC802-30B-X | Module, 1 dual strand fiber optical port(Single mode), 1 E1 port (CC3 75 ohm unbalanced) |
| RC802-30B-BL-X | Module, 1 dual strand fiber optical port(Single mode), 1 E1 port (RJ-45 120 ohm balanced) |
| RC804-30B-X | Module, 1 single strand fiber optical port(Single mode 1310nm TX 1550nm RX), 1 E1 port (CC3 75 ohm unbalanced) |
| RC804-30B-BL-X | Module, 1 single strand fiber optical port(Single mode 1310nm TX 1550nm RX), 1 E1 port (RJ-45 120 ohm balanced) |
| RC806-30B-X | Module, 1 single strand fiber optical port(Single mode 1550nm TX 1310nm RX), 1 E1 port (CC3 75 ohm unbalanced) |
| RC806-30B-BL-X | Module, 1 single strand fiber optical port(Single mode 1550nm TX 1310nm RX), 1 E1 port (RJ-45 120 ohm balanced) |
| RC802-30B-FV35-X | Module, 1 dual strand fiber optical port(Single mode), 1 V.35 port (HDB26 Female) |
| RC804-30B-FV35-X | Module, 1 single strand fiber optical port(Single mode 1310nm TX 1550nm RX), 1 V.35 port (HDB26 Female) |
| RC806-30B-FV35-X | Module, 1 single strand fiber optical port(Single mode 1550nm TX 1310nm RX), 1 V.35 port (HDB26 Female) |
| RC801-30B-FV35-X/Y | Standalone, 1 dual strand fiber optical port(Single mode), 1 V.35 port (ISO2593 Female) |
| RC803-30B-FV35-X/Y | Standalone, 1 single strand fiber optical port(Single mode 1310nm TX 1550nm RX), 1 V.35 port (ISO2593 Female) |
| RC805-30B-FV35-X/Y | Standalone, 1 single strand fiber optical port(Single mode 1550nm TX 1310nm RX), 1 V.35 port (ISO2593 Female) |
| Suffix X= | S1: Single mode 0~25 km (1310nm dual strand fiber) and (single strand fiber) S2: Single mode 10~60 km (1310nm dual strand fiber), 10~50km (single strand fiber) S3: Single mode 15~120 km (1550nm/DFB dual strand fiber only) |
| Suffix Y= | AC: 115V/230VAC or DC: -48VDC |



Specification

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|---------------------|--|
| Optical port | |
| Bit Rate | 100Mbps |
| Connector | SC |
| E1 port | |
| Bit Rate | 2048Kbps |
| Code | HDB3 |
| Impedance | 75 ohm or 120 ohm |
| Connector | CC3(through a cable to BNC Female) or RJ-45 |
| ITU Standard | ITU-T G.703, G.823 |
| V.35 port | |
| Standard | ITU V.35 DCE mode |
| Connector | Module: HDB26(through a cable to ISO2593 Female) Standalone: ISO2593 Female |
| Timing Clock | Internal, Line, Terminal |
| Bit Rate | N*64Kbps(N=1~32) |
| Dimensions | |
| Standalone | 142(W)*38(H)*178(D) (mm) |
| Module | 91(W)*25(H)*155(D) (mm) |
| Power Supply | 115/230VAC or -48VDC |
| Power | 5W |
| Consumption | |
| Working ambience | Temp: -5~60 centigrade RH: 5~90% non-condensing |
| Safety compliance | CE certification |

RC800-60 series 2E1(1E1 and 1V.35) FOM

Features

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| Construction | Chassis module. Compatible with Raisecom RC002 series chassis for central office aggregation, or with Raisecom RC001-1 series chassis for remote standalone. |
| Fiber link option | Dual-strand fiber/single strand fiber (WDM) |
| Transmission distance | Dual-strand fiber: up to 120km Single strand fiber: up to 50km |
| Services | E1, V.35 access extension over fiber |
| V.35 Bandwidth | N x 64Kbps, N=1~32, DCE mode (could be DTE mode through cross connected cable) |
| Loop back | Error detection procedures are supported by test loop-back and each E1 channel can be diagnosed by loop-back. |
| SNMP management | Monitor and configure the local and remote equipments by SNMP solution in pairs of module to standalone application or module to module application |



RC802-60B

Ordering Information

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|--------------------|---|
| RC801-60B-FV35-X/Y | Standalone, 1 dual strand fiber optical port(Single mode), 1 V.35 port (ISO2593 Female) and 1 E1 port(BNC 75ohm unbalanced and RJ45 120ohm balanced) |
| RC802-60B-X | Module, 1 dual strand fiber optical port(Single mode), 2 E1 ports (DB9 Female) |
| RC803-60B-FV35-X/Y | Standalone, 1 single strand fiber optical port(Single mode 1310nm TX 1550nm RX), 1 V.35 port (ISO2593 Female) and 1 E1 port(BNC 75ohm unbalanced and RJ45 120ohm balanced) |
| RC804-60B-X | Module, 1 single strand fiber optical port(Single mode 1310nm TX 1550nm RX), 2 E1 ports (DB9 Female) |
| RC805-60B-FV35-X/Y | Standalone, 1 single strand fiber optical port(Single mode 1550nm TX 1310nm RX), 1 V.35 port (ISO2593 Female) and 1 E1 port(BNC 75ohm unbalanced and RJ45 120ohm balanced) |
| RC806-60B-X | Module, 1 single strand fiber optical port(Single mode 1550nm TX 1310nm RX), 2 E1 ports (DB9 Female) |
| Suffix X= | S1: Single mode 0~25 km (1310nm dual strand fiber) and (single strand fiber) S2: Single mode 10~60 km (1310nm dual strand fiber), 10~50km (single strand fiber) S3: Single mode 15~120 km (1550nm/DFB dual strand fiber only) |
| Suffix Y= | AC: 115V/230VAC or DC: -48VDC |

Specification

| | |
|---------------------|--|
| Optical port | |
| Bit Rate | 100Mbps |
| Connector | SC |
| E1 port | |
| Bit Rate | 2048Kbps |
| Code | HDB3 |
| Impedance | 75 ohm or 120 ohm |
| Connector | CC3(through a cable to BNC Female) or RJ-45 |
| ITU Standard | ITU-T G.703, G.823 |
| V.35 port | |
| Standard | ITU V.35 DCE mode |
| Connector | Module: HDB26(through a cable to ISO2593 Female) Standalone: ISO2593 Female |
| Timing Clock | Internal, Line, Terminal |
| Bit Rate | N*64Kbps(N=1~32) |
| Dimensions | |
| Standalone | 142(W)*38(H)*178(D) (mm) |
| Module | 91(W)*25(H)*155(D) (mm) |
| Power Supply | 115/230VAC or -48VDC |
| Power Consumption | 5W |
| Working ambience | Temp: -5~60 centigrade RH: 5~90% non-condensing |
| Safety compliance | CE certification |

Application

