

iQ 200 Rackmount Satellite Router



The iQ 200 Rackmount is iDirect's next-generation DVB-S2/DVB-S2X remote with Adaptive TDMA returns. Ideal for cost-effective, small to medium enterprise and maritime applications, the iQ 200 Rackmount combines high-performance iQ series features with mobility and is compatible on both Evolution® and iDirect Velocity®.

Network Configuration

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|-------------------------|--|----------------------------|--------------------------|
| Network Topology | DVB-S2 and DVB-S2X with Adaptive TDMA Returns | | |
| | Downstream | | Upstream |
| | DVB-S2X*/ACM | DVB-S2/ACM | Adaptive TDMA |
| Modulation | QPSK, 8PSK, 16APSK, 32APSK, 64APSK, 128APSK, 256APSK | QPSK, 8PSK, 16APSK, 32APSK | BPSK, QPSK, 8PSK, 16QAM* |
| Symbol Rates | 5 to 119 Msps | 1 to 45 Msps | 128 ksps to 15 Msps* |

Interfaces

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|----------------------------------|---|
| SatCom Interfaces | Tx: L-band/F-Type, 950-2150 MHz, 0dBm to -35dBm, 75Ω Rx: L-band/F-Type, 950-2150MHz, 75 Ω RF Power Transmit: Pmax of +0 dBm to Pmin of -35 dBm RF Power Receive: Max composite wide band receive level: a) -5 dBm for symbol rates ≤ 45 Msps b) 10 dB above wanted signal power level for symbol rates > 45 Msps Minimum Receive Level: $-115+10*\log(F_{sym}(sps))$ single carrier |
| Available BUC Power (IFL) | +24V, 4.0A max available @ connector Tx Out |
| Available LNB Power (IFL) | 13, 18, 21V @ 0.5A, 22kHz tone @ connector Rx in |
| Data Interfaces | LAN: Two 10/100/1000 Mbps Ethernet |
| I/O | RJ45 console |
| Protocols Supported | TCP, UDP, ICMP, DHCP, NAT/PAT, DNS, ROHCv2, RIPv2, IGMPv2, IGMPv3, ICMP, IPv4 (IPv6 over L2oS), L3 |
| Traffic Engineering | QoS, CIR (Static and Dynamic) |
| Licensable Features | Inbound throughput, 256-bit AES Encryption*, OpenAMIP |

Mechanical/Environmental

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|-----------------------|---|
| Size | W 44.5 cm (17.5 in) x D 32 cm (12.6 in) x H 4.45 cm (1.75 in) |
| Weight | 4.5 kg (10 lbs) |
| Temperature | Operational: 0° to +60°C (32° to +140°F) Storage: -40° to +85°C (-40° to +185°F) |
| Humidity | Operational: 10-90% non-condensing Storage: 5-95% condensing |
| Input Voltage | 100-240VAC, 50-60Hz 36-76VDC |
| Certifications | FCC, CE, TUV, and RoHS Compliant |

* Feature is release and platform dependent