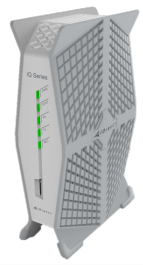


## iQ Desktop Satellite Router



The iQ Desktop is part of iDirect's next-generation DVB-S2\*/S2X\* remote series based on a future-proof hardware with software-defined architecture for maximum flexibility and expansion. The iQ Desktop is highly scalable and ideal for broadband access and small enterprise applications and is compatible on both Evolution® and iDirect Velocity®.

### Network Configuration

<b>Network Topology</b>	DVB-S2*/S2X* with Adaptive TDMA Returns		
	<b>Downstream</b>		<b>Upstream</b>
<b>Modulation</b>	DVB-S2X*/ACM QPSK, 8PSK, 16APSK, 32APSK, 64APSK, 128APSK, 256APSK	DVB-S2*/ACM QPSK, 8PSK, 16APSK, 32APSK	Adaptive TDMA BPSK, QPSK, 8PSK, 16QAM*
<b>Symbol Rates</b>	5 to 100 Msps	1 to 45 Msps	128 kbps to 7.5 Msps

### Interfaces

<b>SatCom Interfaces</b>	Tx: L-band/F-Type, 950-2400 MHz, 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: $-115 + 10 \cdot \log(F_{sym}(sps))$ single carrier
<b>Available BUC Power (IFL)</b>	+24V, 2.0A** max available @ connector Tx Out
<b>Available LNB Power (IFL)</b>	13, 18, 21V @ 0.5A**, 22kHz tone @ connector Rx in
<b>Data Interfaces</b>	LAN: Two 10/100/1000 Mbps Ethernet - 1 for user traffic, 1 for management traffic
<b>I/O</b>	RJ45 console
<b>Protocols Supported</b>	TCP, UDP, ICMP, DHCP, NAT/PAT, DNS, ROHCv2, RIPv2, IGMPv2, IGMPv3, ICMP, IPv4 (IPv6 over L2oS), L3
<b>Traffic Engineering</b>	QoS, CIR (Static and Dynamic)
<b>Licensable Features</b>	Inbound throughput, 256-bit AES Encryption*

### Mechanical/Environmental

<b>Size</b>	W 4.78 cm (1.88 in) x D 11.43 cm (4.5 in) x H 18.26 cm (7.19 in)
<b>Weight</b>	0.37 kg, (0.83lb)
<b>Temperature</b>	Operational: 0° to 40°C (32° to 104°F), 0° to 35°C (32° to 95°F) at 10,000 ft Storage: -40° to +85°C (-40° to +185°F)
<b>Humidity</b>	Operational: 10-90% non-condensing Storage: 5-95% non-condensing
<b>Input Voltage</b>	100-240 VAC, 50-60Hz
<b>Certifications</b>	FCC, CE, TUV, and RoHS Compliant

\* Feature is platform and release dependent

\*\*Combined Tx & Rx power not to exceed 50W