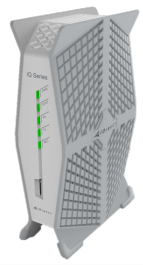


iQ Desktop for Evolution Satellite Router



The iQ Desktop for iDirect Evolution® platform is part of iDirect's next-generation DVB-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 fixed market applications such as broadband access and enterprise connectivity.

Network Configuration

Network Topology	DVB-S2X with Adaptive TDMA Returns	
	Downstream	Upstream
	DVB-S2X/ACM	Adaptive TDMA
Modulation	QPSK, 8PSK, 16APSK, 32APSK, 64APSK, 128APSK, 256APSK	BPSK, QPSK, 8PSK
Symbol Rates	10 to 100 Msps	128 ksps to 7.5 Msps

Interfaces

SatCom Interfaces	Tx: L-band/F-Type, 950-2400 MHz, 0dBm/-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, 2.0A* 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, cRTP, RIPv2, IGMPv2, IGMPv3, ICMP, IPv4
Traffic Engineering	QoS, CIR (Static and Dynamic)

Mechanical/Environmental

Size	W 4.78 cm (1.88 in) x D 11.43 cm (4.5 in) x H 18.26 cm (7.19 in)
Weight	0.37 kg, (0.83lb)
Operating Temperature	0° to 40°C (32° to 104°F), 0° to 35°C (32° to 95°F) at 10,000 ft
Storage Temperature	-40° to +85°C (-40° to +185°F)
Operating Humidity	10-90% non-condensing
Storage Humidity	5-95% non-condensing
Input Voltage	100-240 VAC, 50-60Hz
Certifications	FCC, CE, TUV, and RoHS Compliant
	* Combined Tx & Rx power not to exceed 50W