

SatHaul-XE™ Companion



SatHaul-XE™ Companion is a network optimizer appliance for cellular backhaul 2G/3G and 4G/LTE over satellite, improving the subscriber experience and reducing the satellite capacity cost. The SatHaul-XE™ Companion utilizes WAN optimization software suite and designed to be paired with iDirect satellite routers at remote cellular access locations. The overall solution leverages iDirect platform traffic engineering capabilities such as QoS and layer 2 /layer 3 handling together with advanced cellular compression feature set and IPSEC DOE functionality.

Performance

Aggregate Throughput	50 Mbps/100 Mbps/200 Mbps
Simultaneous TCP Sessions	10,000

Features

Modes of Operation	Layer 2 or Layer 3
Quality of Service	IP QoS and TCP Weighted Fair Queuing QoS
Optimization Features	GTP Acceleration, Header Compression, Packet Compression, Packet Coalescing, Byte Caching, Packet Learning, IPsec with DOE
Redundancy	Fail -to-wire

Hardware

Processor	Intel Core Processor with C226
Network Interface	8 Gigabit Ethernet LAN Ports
Local Management	1 Gigabit RJ-45
Temperature, ambient	Operating: 0 - 40°C Storage: -20 - 70°C
Humidity(RH), ambient	Operating: 5 - 90%, non-condensing Non-operating: 5 - 95%, non-condensing
Physical Dimensions	Rackmount 1U 438 x 44 x 415mm
Weight	10kg
Power	1 + 1 Redundancy Two Power Variants AC: 300W 100 - 240VAC @ 50 - 60 Hz, 4 - 2A max DC: TBD
Certifications	AC Power Variant: FCC, CE, UL and RoHS Compliant DC Power Variant: Pending

** Feature/license available in a future software release*