

U7720-ODU is a high-performance satellite modem/router designed for networking applications. Its enclosure enables seamless integration with SpaceBridge's manpack (SBMx) and flyaway (SBFx) terminal product lines



Up to 100Mbps

## FORWARD LINK (Rx)

Waveform Technology	DVB-S2/S2XACM, QPSK to 256APSK, all modulations. Adaptive Coding and Modulation (ACM) GSE Encapsulation Automatic Up Link Power Control (AULPC) 5%, 10%, 15%, 20%, 25%
Terminal IF RX Interface	F-type 75 Ohm, 950-2150MHz satellite/band independent, LNB power OFF/13VDC/18VDC, 22KHz tone ON/OFF

## Traffic ports and performance

Interfaces	U7720-60/SA/ODU: 1 User 1000BaseT
Download Speed	Up to 100Mbps
Upload Speed	Up to 40Mbps
Packet Processing	25kpps with full QoS
Network Services	IP Routing, NAT, DHCP server/relay, Access List, IP Routing

## FORWARD LINK TDMA or dSCPC (Tx)

Waveform Technology	3D-TDMA and WaveSwitch™ dSCPC supporting SS-BPSK, BPSK, QPSK, 8PSK, 16QAM, 32QAM, 64QAM
Encapsulation	RLE
Roll off/Spacing	5%, 10%, 15%, 20%, 25%, 35%
Dynamic Rate Assignment (DRA)	Adaptive return carrier sizing every 26.5msecs Adaptive block size and MODCOD per timeslot/per carrier, every 26.5msec
ULPC	Terminal built-in Uplink Power Control
Tx Power	-30dBm to 0dBm
Terminal IFL TX Interface	N-type 50 Ohm, 900-2400MHz satellite /band independent, BUC timing reference - OFF/10MHz/50MHz reference

## Environmental and Mechanical

Form factor/ Dimensions (WxLxH)	Outdoor IP-67 enclosure: 7.2 x 7.7 x 1.3 inches (183 x 196 x 33 mm)
Weight	<2.6 lbs (1.2 kg)
Power	External 24 VDC up to 20W
Operating Conditions	From -22°F to +140°F (-30°C to +60°C)
Storage Conditions	From -40°C to +85°C (-40° to +185°F)
Relative Humidity	5 - 95%, non-condensing
Altitude	< 3,000 meters/10,000 feet
Certifications	FCC, RoHS