

MICRO HUB



1U 19" RACK MOUNTABLE | VLSNR | 2 ETHERNET FOR EACH MODEM | 110-220V | INTEGRATED
MANAGEMENT | WEIGHT - 3.0 KG (6.6 LB) | ~60W POWER CONSUMPTION (4 MODEMS CONFIGURATION)

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GET S>T MICRO HUB is a fully featured L-band modem with best in its class SWaP. It provides industry leading performance. **MICRO HUB** can scale according to the needs from 1 modem to 4, allowing you to pay as you grow. **MICRO HUB** supports multiple modes of operation and fast acquisition for mobile Applications.

CHANNEL SPECIFICATIONS		INTERFACES	
Standard	DVB-S2X, DVB-S2, ACM	Data	Two Ethernet ports: 10/100/1000
Bit rate	32Kbps – 500Mbps	Management	RS-232, RJ-45 (GUI), integrated with Terminal
Roll off	5% - 50%	RF (Rx)	L-band: 950 – 2200 MHz
Modulation	BPSK, 8PSK, 8APSK-L, 16APSK, 16APSK-L, 32APSK, 32APSK-L	RF (Tx)	L-band: 950 – 2400 MHz
Coding	LDPC & BCH	Max Output	0 dBm
FEC rates	QPSK: 1/4,1/3,1/2, 2/3, 3/4, 5/6 8PSK: 3/5, 2/3, 3/4, 5/6 8APSK-L: 5/9; 26/45 16APSK: 2/3, 3/4, 4/5, 5/6 16APSK-L: 5/9; 8/15; 1/2; 3/5; 2/3 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10; 32/45; 11/15; 7/9; 32APSK-L: 2/3	Gain Control	60 dB in 0.5 dB steps
FEC Frame	64800; 16200	Frequency resolution	1 Hz

SAMPLE PERFORMANCE DVB-S2X SCPC MODE

Modulation	FEC	Bit rate	EsNo (SNR)	EbNo
QPSK	3/4	128Kbps-500Mbps	4.03	2.26
QPSK	1/2	128Kbps-500Mbps	1.0	1.0
QPSK	1/3	128Kbps-500Mbps	-1.22	0.58
QPSK	1/4	128Kbps-500Mbps	-2.32	0.69
8APSK	2/3	128Kbps-500Mbps	4.43	2.21
16APSK	2/3	128Kbps-500Mbps	8.23	3.97
16APSK	3/5	128Kbps-500Mbps	7.11	3.30
16APSK	1/2	128Kbps-500Mbps	5.67	2.65
32APSK	2/3	128Kbps-500Mbps	10.9	5.67
QPSK	1/5	32Kbps-50Mbps	-2.85	0.55
BPSK	1/3	32Kbps-50Mbps	-4.0	0.66
BPSK	1/5	32Kbps-50Mbps	-6.0	0.9
BPSK-S (Sx2)	1/5	32Kbps-50Mbps	-9.0	1.1

All specifications are subject to change without notice