

# **FICHE TECHNIQUE**

## **SPACE WEB**

Systeme : MAC SAT (USA)

Type : Connexion à internet par satellite en émission-réception en TDMA. Multi utilisateur

Bande passante disponibles :

64x128kbps,64x256kbps,128x512kbps,128x1024kbps,128x2056kbps.

Matériel : Une antenne de 1m20. une tete (ODU) d'émission de 500 Mw à 3 Watts . Une tete de reception 12 Ghz, un PC / routeur/démodulateur satellite

Garantie : 12 mois extensible . Service 24 h sur 24 h et 7 jours sur 7.

Fréquence : émission : 10.95 – 12.75 Ghz

Fréquence : réception : 13,75 - 14.50 Ghz

ODU +Antenna

Indoor Unit

**IDU**

The IDU functions as a transceiver/router.

Input Receive Frequency -L-band 950 to 2150 MHz

RF Input Connector -F connector,75 .

Data connection to the ODU -Ethernet,RG 45

Operating System -Linux

Router Configuration -Local (through keyboard),

Remote (from hub,or

from remote PC through

serial port or LAN

connection)

LAN Interface -Ethernet 10/100BaseT

Power -115/230 VAC,50/60 Hz

The ODU is an integrated assembly that contains the return link modulator,up converter and transmitter units.

Transmitter -0.5W to 2.0W in Ku

Antenna -95 cm to 1.8 m or 2.4 m

Power -48 VDC,1.5 A

## **Network**

Network Type -802 -Two-Way Interactive,Star topology

Forward Link (Outbound)-DVB-S/MPEG-2,EN 300 421 standard

Aggregate Data Rate -Up to 48 Mbit/s

Modulation -QPSK

Coding -RS (204,188)and Convolutional (as per DVB-S)

Return Link (Inbound)-8020 -9.6 to 192 Kbit/s,TDMA with reservation

Modulation -QPSK

Coding -Convolutional,R=1/2,K =7

Power Control -16 dB in 1 dB steps

IP Data Transmission -DVB Data Broadcast protocol (MPE,Data Piping),EN 301 192 standard

Data Transport Protocols -TCP/IP Unicast,UDP Multicast

IP Routing Support -ARP,ICMP,IGMP/Multicast,Broadcast,Subnetting,Class A,B,C,D addressing

Satellite -Any commercial Ku or C band communication satellite