



# Broadband Two-way Satellite Internet ?

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**LAMIT Company** - B-dul Natiunilor Unite Nr. 4, Bl. 106, Sc. A, Et. 4, Ap. 16, Sector 5 - Bucuresti - Romania

**Tel:** 0040 21 335.71.10 ; 0040 21 335.22.06 Fax: 0040 21 335.08.74 , Cod Postal: 050122

**E-mail:** [office@lamit.ro](mailto:office@lamit.ro) ; [sales@lamit.ro](mailto:sales@lamit.ro) ; [support@lamit.ro](mailto:support@lamit.ro) - <http://www.lamit.ro>

## Specificatii tehnice echipament internet prin satelit two-way. Pachet Profesional si Corporate.

### Terminal IP satelit

#### Canal de intoarcere

Format: MF-TDMA  
Ratele de simbol: 156 KSym/s, 312 KSym/s,  
625 KSym/s, 1.25MSym/s  
Frecventa IF la emisie : 950-1450 MHz  
Semnalul IF la emisie: -10 to -25 dBm in pasi de 0.125  
Turbo Coding: DVB-RCS compatibil  
Modulatie: QPSK, BPSK

#### Semnal de iesire din HUB

Format: DVB/MPEG-2 Stream de transport  
(ISO/IEC 13818) DVB Multi-Protocol  
Incapsulare (MPE) pentru Insertia IP Data PCR  
Ratele de simbol: 5-42.5 MSym/s  
FEC: DVB compatibil R/S (204, 188) si Convolution  
(R= 1/2, 2/3, 3/4, 5/6, 7/8)  
BER: Quasi-Error Free, ca standard DVB  
Modulatie: QPSK sau 8PSK  
Frecventa IF la receptie: 950-2150 MHz  
Scala de putere la intrare: -60 to -20 dBm

#### Interfete hardware

L-band Emitator si receptor: (2) Tip mama, 75 ohm  
Network: (1) 10/100 Base T Ethernet (RJ-45)

#### Radiofrecventa

Diametre antena: 0.96M, 1.2M, 1.8M, 2.4M  
Putere ODU: 0.5W, 1W, 2W, 4W, 5W  
Temperatura de operare ODU: -40°C - +55°C

#### IDU Specificatii mecanice / mediu

Dimensiuni: 1U inalt, 12" lat, 8" adanc  
Consum: 110/220 VAC Auto-detect, Auto-scalabilitate  
Temperatura:  
95% umiditate, non-condens la 0° pana la 40° operare;  
90% umiditate, non-condens la 65°C depozitare  
Susceptibilitati: EN50082-1; 1997  
EMI: FCC Part 15, EN50022, CE  
Siguranta: UL/cUL 1950; EN60950; TUV; VDE

### HUB

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#### Management-ul Network-ului si controlul acestuia

Network Management System (NMS): Java  
Web-based, Standard PC  
Network Control Center (NCC): Localizat la Hub;  
Redundant  
SUN Solaris Workstation; SNMP Agent

#### System Performance

Accelerare TCP: 100 Mbps bandwidth  
Scalabilitate: 10,000 noduri cu un singur Hub/NCC;  
100,000 noduri cu multiple Hub/NCC  
Protocoale: TCP/IP, UDP/IP, IGMP, RIP1&2, IP  
QoS  
Securitate: Optionala 3DES