



TERMO DE ACEITE TÉCNICO

Solicitante: ATI - Agência de Tecnologia da Informação do Estado do Piauí

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Orgão: SEDUC - Secretaria de Estado da Educação

Data Instalação
19/12/2018

Data Ativação
19/12/2018

Unidade: Unidade Escolar
Alfredo Carlos Alenca

Município: Capitão Gervásio Oliveira

Coordenadas: 8°29'34.00"S 41°48'56.00"W

Operadora
Global Eagle

VSAT-ID
ATI-ES-283-IND

Porta kbps
4M/512k

Tipo
indoor

Piauí, 19 de Dezembro de 2018

1 – Local da Instalação



2 – Configurações do Modem

device show

System Information:

Name : ATI-ES-283-IND
Location : CAPITAO GERVÁSIO DE OLIVEIRA - PI
Contact :
System Up time : 0 days, 00:04:36
CPU Load : 17%
System time(UTC) : 20 December 2018 03:42:41
Broadcast Message : not set

HW:

Model : SatLink 2000
HW ID : 120033
Main board ID : 120026 R6.2

MAC addresses:

LAN : 00:20:0e:10:9d:41
Satellite (DVB) : 00:20:0e:10:9d:41

dvb tx show

Satellite (DVB) TX Configuration

Auto start : Enabled
BUPC status : Disabled
IDU Output Power : -18 dBm
IDU Max Output Power: 0.0 dBm
Default CW Frequency: 0.000000 GHz
ATM mode : VC-Mux
Header Compression : None

Satellite (DVB) Transmitter Status

State : On (DVB-RCS2)
IDU Output Power : -17.9 dBm
Es/No : 13.0 dB
Header Compression : Disabled
Timing correction : 30 us (250047 us)
Frequency correction: 150 Hz

dvb rx show

Satellite (DVB) RX Configuration

Auto start : Enabled
Max Signalling MODCOD : 23 16APSK-9/10
Max Traffic MODCOD : 28 32APSK-9/10
RX watchdog : 15 minute

Idx	Pri	SymbRate[Msp/s]	Freq[GHz]	Mode	PopId	SatId	Pos	SatName	Name	Enable
* 0	0	25.000000	11.628079	DVB-S2	105	0	0.0 E		Yes	

Satellite (DVB) Receiver Status

Rx State : On
DVB State : Forward link up
Network : 1326, ATI-PI
Frequency : 11.628035 GHz
Symbol Rate : 25.000003 Msps
S2 ModCod
- receiving : 1 QPSK-1/4
- current max : 21 16APSK-5/6
Pilot : On
Frame length : Short
DVB S2 Mode : ACM
DVB S2 Stream type : MPEG-TS
Roll off : 0.25
SNR : 16.2 dB
Input Power : -33 dBm
odu show

Antenna

Type ASC/Andrew/Channel Master Type 123 - 1.2m
Antenna controller None
Tx Gain 43.3dB

Transmitter (BUC)

Type JRC NJT5037 (14.0-14.5 GHz)
Local oscillator 13.050000 GHz
DC supply 24V On
Reference 10Mhz On

Receiver (LNB)

Type SatLink 403x (10.70-12.75 GHz)
Local oscillator - LO1 9.750000 GHz
Local oscillator - LO2 10.600000 GHz
Oscillator switching frequency 1-2 11.700000 GHz
LO Switching mode 22KHz
13/18V DC supply 13V

ip show

Interfaces

If	IPAddress	SubnetMask	BroadCastAddr	MTU	Alias	AdminStatus
1	10.225.4.117	255.255.255.252	10.225.4.119	1500	eth0	1
3	172.18.137.223	255.255.255.255	N/A	1540	dvb0	1
4	N/A	N/A	N/A	1500	air0	1

DNS Client Configuration

Primary DNS Server: 209.244.0.3, Secondary DNS Server: 209.244.0.4

Interface Statistics

----- Input ----- Output -----
If UCast NUCast Disc Octets UCast NUCast Disc Octets
1 74 0 0 25122 66 8 0 6847
3 216 0 5 16522 289 0 0 41771
4 0 0 0 0 0 0 0 0
IP Receive Deliver Errors InDiscards Forward Request NoRoute OutDiscards

2821660035823705

Interface Directed Routing Table

In IfOut If

-----IP LAC Statistics-----

RPF Src eq destRPF HitCountSrceqdestHitCountMfcHitCount (-1/drop classified)

DisabledEnabled000

Routing Table

DestMaskRouteMaskNextHop If RtType Row-Status

0.0.0.00.0.0.00.0.0.03STATICACTIVE

10.225.4.116255.255.255.2520.0.0.01LOCALACTIVE

10.226.39.0255.255.255.010.225.4.1181STATICACTIVE

172.18.137.223255.255.255.2550.0.0.03LOCALACTIVE

















3 – Configurações dos Equipamento

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.4.118 netmask 255.255.255.252 broadcast 10.225.4.119
    ether 00:90:27:f0:8a:68 txqueuelen 10000 (Ethernet)
    RX packets 3553 bytes 534814 (522.2 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 3117 bytes 628011 (613.2 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 16 memory 0xfe8e0000-fe900000

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.226.39.1 netmask 255.255.255.0 broadcast 10.226.39.255
    ether 00:90:27:f0:8a:69 txqueuelen 10000 (Ethernet)
    RX packets 7784 bytes 1546940 (1.4 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 11560 bytes 9735130 (9.2 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 17 memory 0xfe9e0000-fea00000

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    loop txqueuelen 1 (Local Loopback)
    RX packets 122560 bytes 58261493 (55.5 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 122560 bytes 58261493 (55.5 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Configurações de Rede

Configurações Interfaces Roteamento Estático Roteamento Dinâmico Configurações IPv6 Controle de Banda H.A.						
Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	 eth0	10.225.4.118/30	-	Física	WAN	 
	 eth1	10.226.39.1/24	-	Física	LAN	 
	 eth2	-	-	Física	-	 
	 eth3	-	-	Física	-	 



4 – Teste de Velocidade -Download/Upload

