

TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Wallace Teixeira

ATI: Wesley Souza

Orgão: SEDUC - Secretaria de Estado da Educação

Data Instalação
22/12/2018

Data Ativação
22/12/2018

Unidade: Unidade Escolar Isol
Adalberto Correia Lima

Município: Olho D'Água do Piauí

Operadora
Global Eagle

VSAT-ID
ATI-ES-0228-IND

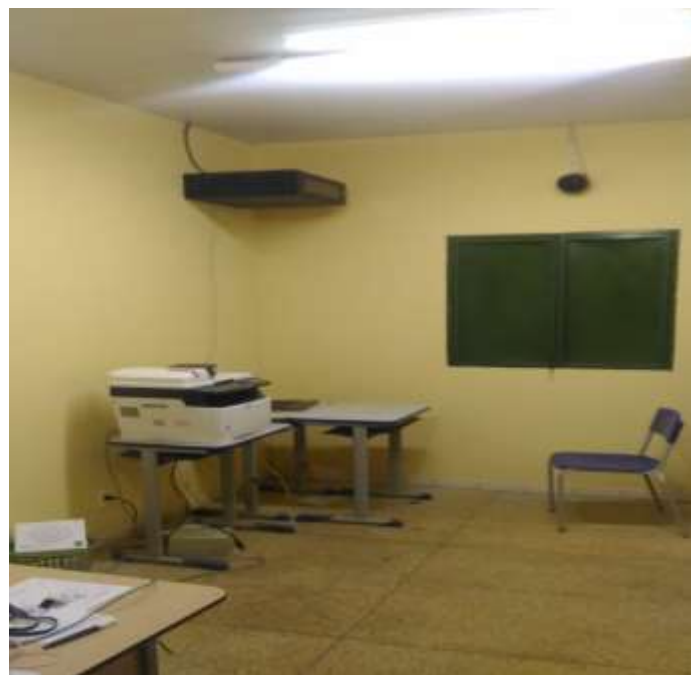
Coordenadas: 05°50'11.35"S
42°34'39.93"W

Porta kbps
4M/512k

Tipo
Indoor

Piauí, 22 de Dezembro de 2018

1 – Local da Instalação



2 – Configurações do Modem

device show

System Information:

Name : ATI-ES-0228-IND
Location : PI
Contact :
System Up time : 0 days, 07:42:12
CPU Load : 29%
System time(UTC) : 23 December 2018 02:20:17
Broadcast Message : not set

HW:

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

MAC addresses:

LAN : 00:20:0e:10:54:f7
Satellite (DVB) : 00:20:0e:10:54:f7

dvb tx show

Satellite (DVB) TX Configuration

Auto start : Enabled
BUPC status : Disabled
IDU Output Power : -20 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 : -19.9 dBm
Es/No : 15.5 dB
Header Compression : Disabled
Timing correction : 57 us (250056 us)
Frequency correction: 170 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[Msps]	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 : 11.628117 GHz
Symbol Rate : 25.000299 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 : 17.0 dB
Input Power : -38 dBm

odu show

Antenna

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

Transmitter (BUC)

Type JRC NJT5017 (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	10.225.3.153	255.255.255.252	10.225.3.155	1500	eth0	1
3	172.18.137.241	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 259376 875 327 170799059 361498 351 3 326350244
3 318681 0 0 324788414 164701 0 0 150448797
4 0 0 0 0 0 0 0 0

IP	Receive	Deliver	Errors	InDiscards	Forward	Request	NoRoute	OutDiscards
578811	2985	0	0	526633	2761	90	90	

Interface Directed Routing Table

In If	Out If
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-----IP LAC Statistics-----

RPF	Src eq dest	RPF HitCount	SrceqdestHitCount	MfcHitCount (-1/drop classified)
Disabled	Enabled	0	0	0

Routing Table

DestMask	RouteMask	NextHop	If	RtType	Row-Status
0.0.0.0	0.0.0.0	0.0.0.0	3	STATIC	ACTIVE
10.225.3.152	255.255.255.252	0.0.0.0	1	LOCAL	ACTIVE
10.225.240.0	255.255.255.0	10.225.3.154	1	STATIC	ACTIVE
172.18.137.241	255.255.255.255	0.0.0.0	3	LOCAL	ACTIVE

3 – Configurações dos Equipamento

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.3.154 netmask 255.255.255.252 broadcast 10.225.3.155
    ether 00:90:27:f0:8c:a0 txqueuelen 10000 (Ethernet)
    RX packets 9805 bytes 1662791 (1.5 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 9885 bytes 6088302 (5.8 MiB)
    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 10.225.240.1 netmask 255.255.255.0 broadcast 10.225.240.255
    ether 00:90:27:f0:8c:a1 txqueuelen 10000 (Ethernet)
    RX packets 6212 bytes 1088240 (1.0 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 5411 bytes 1255795 (1.1 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 7203 bytes 3632815 (3.4 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 7203 bytes 3632815 (3.4 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	10.225.3.154/30	-	Física	WAN	
	eth1	10.225.240.1/24	-	Física	LAN	
	eth2	-	-	Física	-	
	eth3	-	-	Física	-	



4 – Teste de Velocidade -Download/Upload

