



TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Wallace Teixeira

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Orgão: SEDUC

Unidade: Enel Base

Data Instalação

22/10/2018

Data Ativação

22/10/2018

Operadora
Global Eagle

VSAT-ID
ATI-PB-0184-IND

Porta kbps
4096/512

Tipo
Indoor

Piauí, 22 de Outubro de 2018

1 – Local da Instalação



2 – Configurações do Modem

device show

System Information:

Name : ATI-PB-0184-IND
Location : - PI
Contact :
System Up time : 0 days, 01:06:16
CPU Load : 20%
System time(UTC) : 22 October 2018 09:33:45
Broadcast Message : not set

HW:

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

MAC addresses:

LAN : 00:20:0e:10:86:69
Satellite (DVB) : 00:20:0e:10:86:69

dvb tx show

Satellite (DVB) TX Configuration

Auto start : Enabled
BUPC status : Disabled
IDU Output Power : -17 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 : -17.1 dBm
Es/No : 10.5 dB

Header Compression : Disabled
Timing correction : -225 us (251504 us)
Frequency correction: 100 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 : 11.628082 GHz
Symbol Rate : 25.000237 Msps
S2 ModCod
- receiving : 1 QPSK-1/4
- current max : 16 8PSK-8/9
Pilot : On
Frame length : Short
DVB S2 Mode : ACM
DVB S2 Stream type : MPEG-TS
Roll off : 0.25
SNR : 14.4 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  10.225.2.233 255.255.255.252  10.225.2.235 1500     eth0   1
3  172.18.192.192 255.255.255.255    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  57223   8    219 12550307  84732   36    0 79787678
3  79178   0    88 79845744  36966   0    0 10815193
4    0    0    0    0    0    0    0
IP Receive Deliver  Errors InDiscards Forward Request NoRoute OutDiscards
136217  316    0    0 122457  520    0    334
```

Interface Directed Routing Table
In If Out If

```
-----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
10.225.2.232 255.255.255.252  0.0.0.0 1  LOCAL  ACTIVE
10.225.196.0 255.255.255.0 10.225.2.234 1  STATIC  ACTIVE
172.18.192.192 255.255.255.255  0.0.0.0 3  LOCAL  ACTIVE
```

3 – Configurações dos Equipamentos

Configurações de Rede

Configurações						
Interfaces						
Roteamento Estático						
Roteamento Dinâmico						
Configurações IPv6						
Controle de Banda						
H.A.						
Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	 eth0	10.225.2.234/30	-	Física	WAN	 
	 eth1	10.225.196.1/24	-	Física	LAN	 
	 eth2	-	-	Física	-	 
	 eth3	-	-	Física	-	 

```
COM5 - PuTTY
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 10.225.2.234  netmask 255.255.255.252  broadcast 10.225.2.235
    ether 00:90:27:f0:31:32  txqueuelen 10000  (Ethernet)
    RX packets 120  bytes 7750 (7.5 KiB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 168  bytes 12737 (12.4 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 10.225.196.1  netmask 255.255.255.0  broadcast 10.225.196.255
    ether 00:90:27:f0:31:33  txqueuelen 10000  (Ethernet)
    RX packets 317  bytes 35032 (34.2 KiB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 18  bytes 4231 (4.1 KiB)
    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 2106  bytes 1123387 (1.0 MiB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 2106  bytes 1123387 (1.0 MiB)
    TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

admin >
```



4 – Teste de Velocidade

Download/Upload

