

TERMO DE ACEITE TÉCNICO

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

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Data Instalação
19/12/2018

Data Ativação
19/12/2018

Unidade: Unidade Escolar
Venância Lages Veloso

Município: Cabeceiras do Piauí

Coordenadas: 04°28'26.69"S 42°18'35.12"W

Operadora
Global Eagle

VSAT-ID
ATI-ES-0222-IND

Porta kbps
4M/256k

Tipo
Indoor

Piauí, 19 de Dezembro de 2018

1 – Local da Instalação



2 – Configurações do Modem

device show

System Information:

Name : ATI-ES-0222-IND
Location : Cabeceiras do Piauí - Pi
Contact :
System Up time : 0 days, 04:23:47
CPU Load : 29%
System time(UTC) : 20 December 2018 00:11:16
Broadcast Message : not set

HW:

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

MAC addresses:

LAN : 00:20:0e:10:53:e6
Satellite (DVB) : 00:20:0e:10:53:e6

dvb tx show

Satellite (DVB) TX Configuration

Auto start : Enabled
BUPC status : Disabled
IDU Output Power : -19 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 : -18.8 dBm
Es/No : 13.0 dB
Header Compression : Disabled
Timing correction : 90 us (249867 us)
Frequency correction: 280 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 : 11.628047 GHz
Symbol Rate : 24.999889 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 : 16.1 dB
Input Power : -32 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 | 10.225.3.129 | 255.255.255.252 | 10.225.3.131 | 1500 | eth0 | 1 |
| 3 | 172.18.193.94 | 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: 8.8.8.8, Secondary DNS Server: 8.8.4.4

Interface Statistics

----- Input ----- Output -----
If UCast NUCast Disc Octets UCast NUCast Disc Octets
1 67722 1069 753 26736391 81391 204 1 54697688
3 65823 0 809 55116445 51433 0 0 25063726
4 0 0 0 0 0 0 0 0

IP Receive Deliver Errors InDiscards Forward Request NoRoute OutDiscards

134029 3107 0 0 133819 2555 154 1253

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 |
| 10.225.3.128 | 255.255.255.252 | 0.0.0.0 1 | LOCAL | ACTIVE |
| 10.225.234.0 | 255.255.255.0 | 10.225.3.130 1 | STATIC | ACTIVE |
| 172.18.193.94 | 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 10.225.3.130 netmask 255.255.255.252 broadcast 10.225.3.131
    ether 00:90:27:f0:8b:48 txqueuelen 10000 (Ethernet)
    RX packets 2057 bytes 500506 (488.7 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 2227 bytes 936743 (914.7 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 10.225.234.1 netmask 255.255.255.0 broadcast 10.225.234.255
    ether 00:90:27:f0:8b:49 txqueuelen 10000 (Ethernet)
    RX packets 2391 bytes 955560 (933.1 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 2076 bytes 506725 (494.8 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 2038 bytes 1133773 (1.0 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 2038 bytes 1133773 (1.0 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 | 10.225.3.130/30 | - | Física | WAN | |
| | eth1 | 10.225.234.1/24 | - | Física | LAN | |
| | eth2 | - | - | Física | - | |
| | eth3 | - | - | Física | - | |



4 – Teste de Velocidade -Download/Upload

