



## TERMO DE ACEITE TÉCNICO

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

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|                                  |   |                                      |                                    |
|----------------------------------|---|--------------------------------------|------------------------------------|
| <b>Orgão:</b> ATI                | <b>Unidade:</b> Praça da Paróquia de São Francisco das Chagas | <b>Data Instalação</b><br>13/01/2019 | <b>Data Ativação</b><br>13/01/2019 |
| <b>Operadora</b><br>Global Eagle | <b>VSAT-ID</b><br>ATI-PB-0251-OUT                             | <b>Porta kbps</b><br>4096/512        | <b>Tipo</b><br>Outdoor             |

Piauí, 13 de janeiro de 2019

### 1 – Local da Instalação



## 2 – Configurações do Modem

# device show

System Information:

Name : ATI-PB-0251-OUT  
Location : Juazeiro do Piauí - PI  
Contact :  
System Up time : 0 days, 00:26:06  
CPU Load : 28%  
System time(UTC) : 13 January 2019 14:03:19  
Broadcast Message : not set

HW:

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

MAC addresses:

LAN : 00:20:0e:10:94:63  
Satellite (DVB) : 00:20:0e:10:94:63

# 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[Mbps] | Freq[GHz] | Mode     | PopId | SatId | Pos | SatName | Name | Enable |
|-----|-----|----------------|-----------|----------|-------|-------|-----|---------|------|--------|
| * 0 | 0   | 27.466667      | 11.727054 | DVB-S2 2 | 0     | 0.0   | E   |         | Yes  |        |

Satellite (DVB) Receiver Status

-----  
Rx State : On  
DVB State : Forward link up  
Network : 65281, ATI-Piauí-Conectado  
Frequency : 11.727087 GHz  
Symbol Rate : 27.466400 Msps  
S2 ModCod  
- receiving : 12 8PSK-3/5  
- current max : 14 8PSK-3/4  
Pilot : On  
Frame length : Short  
DVB S2 Mode : ACM  
DVB S2 Stream type : MPEG-TS  
Roll off : 0.25  
SNR : 15.2 dB  
Input Power : -35 dBm  
# dvb tx show

Satellite (DVB) TX Configuration

Auto start : Enabled  
BUPC status : Disabled  
IDU Output Power : -22 dBm  
IDU Max Output Power: 0.0 dBm  
Default CW Frequency: 0.000000 GHz  
ATM mode : VC-Mux  
Header Compression : SHC/UDP/IP

Satellite (DVB) Transmitter Status

-----  
State : On (DVB-RCS2)  
IDU Output Power : -22.2 dBm  
Es/No : 16.0 dB  
Header Compression : SHC/UDP/IP  
Timing correction : -57 us (249110 us)  
Frequency correction: -60 Hz

# arp show

| NetAddr      | State   | MacAddr           | If |
|--------------|---------|-------------------|----|
| 10.225.3.246 | Dynamic | 00:90:27:ef:6e:d8 | 1  |

# ip show

Interfaces

| If | IPAddress    | SubnetMask      | BroadCastAddr | MTU  | Alias | AdminStatus |
|----|--------------|-----------------|---------------|------|-------|-------------|
| 1  | 10.225.3.245 | 255.255.255.252 | 10.225.3.247  | 1500 | eth0  | 1           |
| 3  | 172.26.7.80  | 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  | 22282 | 7      | 0    | 3002111 | 24466 | 17     | 0    | 10382847 |
| 3  | 13619 | 0      | 0    | 9394992 | 14322 | 0      | 0    | 2339638  |
| 4  | 0     | 0      | 0    | 0       | 0     | 0      | 0    | 0        |

IP Receive Deliver Errors InDiscards Forward Request NoRoute OutDiscards

|       |     |   |   |       |     |   |   |
|-------|-----|---|---|-------|-----|---|---|
| 35876 | 190 | 0 | 0 | 38908 | 483 | 0 | 0 |
|-------|-----|---|---|-------|-----|---|---|

Interface Directed Routing Table

In If Out If

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

| RPF      | Src eq dest | RPF HitCount | Src eq dest HitCount | 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     |
| 10.225.3.244 | 255.255.255.252 | 0.0.0.0 1      | LOCAL  | ACTIVE     |
| 10.226.7.0   | 255.255.255.0   | 10.225.3.246 1 | STATIC | ACTIVE     |
| 172.26.7.80  | 255.255.255.255 | 0.0.0.0 3      | LOCAL  | ACTIVE     |

3 – Configurações dos Equipamentos

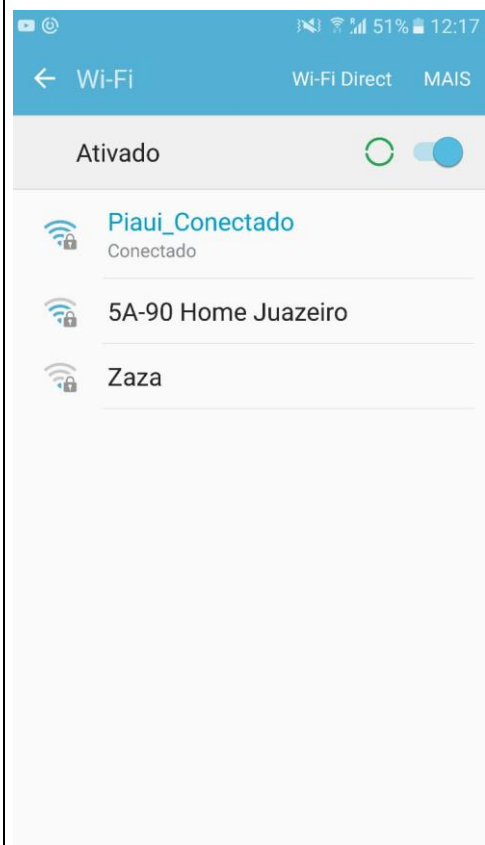
Configurações de Rede

| Configurações  | Interfaces | Roteamento Estático | Roteamento Dinâmico | Configurações IPv6 | Controle de Banda | H.A. |
|----------------|------------|---------------------|---------------------|--------------------|-------------------|------|
| <div>+ -</div> |            |                     |                     |                    |                   |      |
| Status         | Interface  | Endereço            | Gateway             | Tipo               | Zona              | Ação |
|                | eth0       | 10.225.3.246/30     | -                   | Física             | WAN               |      |
|                | eth1       | 10.226.7.1/24       | -                   | Física             | LAN               |      |
|                | eth2       | -                   | -                   | Física             | -                 |      |
|                | eth3       | -                   | -                   | Física             | -                 |      |

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.3.246 netmask 255.255.255.252 broadcast 10.225.3.247
    ether 00:90:27:ef:6e:d8 txqueuelen 10000 (Ethernet)
    RX packets 22075 bytes 10220318 (9.7 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 20159 bytes 2659539 (2.5 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 10.226.7.1 netmask 255.255.255.0 broadcast 10.226.7.255
    ether 00:90:27:ef:6e:d9 txqueuelen 10000 (Ethernet)
    RX packets 24342 bytes 3240935 (3.0 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 26857 bytes 15685154 (14.9 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 55091 bytes 25487441 (24.3 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 55091 bytes 25487441 (24.3 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```



#### 4 – Teste de Velocidade -Download/Upload

