



## 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> Quadra da Cidadania João Sobreira<br>Lima | <b>Data Instalação</b><br>13/10/2018 | <b>Data Ativação</b><br>13/10/2018 |
| <b>Operadora</b><br>Global Eagle | <b>VSAT-ID</b><br>ATI-PB-0022-OUT                         | <b>Porta kbps</b><br>4096/512        | <b>Tipo</b><br>Outdoor             |

Piauí, 13 de outubro de 2018

### 1 – Local da Instalação



## 2 – Configurações do Modem

# device show

System Information:

Name : ATI-PB-0022-OUT  
Location : Santa Filomena - PI  
Contact :  
System Up time : 0 days, 00:08:27  
CPU Load : 25%  
System time(UTC) : 13 October 2018 15:45:37  
Broadcast Message : not set

HW:

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

MAC addresses:

LAN : 00:20:0e:10:9a:db  
Satellite (DVB) : 00:20:0e:10:9a:db

# 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 : 13.5 dB  
Header Compression : Disabled  
Timing correction : -196 us (251635 us)  
Frequency correction: 370 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[Mbps] | 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 : 11.628148 GHz  
Symbol Rate : 25.000146 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 : 14.0 dB  
Input Power : -35 dBm

# arp show

| NetAddr      | State   | MacAddr           | If |
|--------------|---------|-------------------|----|
| 10.225.0.222 | Dynamic | 00:90:27:f0:89:d0 | 1  |

# ip show

Interfaces

| If | IPAddress      | SubnetMask      | BroadCastAddr | MTU  | Alias | AdminStatus |
|----|----------------|-----------------|---------------|------|-------|-------------|
| 1  | 10.225.0.221   | 255.255.255.252 | 10.225.0.223  | 1500 | eth0  | 1           |
| 3  | 172.18.192.171 | 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  | 25482 | 0      | 36   | 1597834  | 49657 | 11     | 0    | 69107489 |
| 3  | 50147 | 0      | 12   | 69343733 | 4873  | 0      | 0    | 287361   |
| 4  | 0     | 0      | 0    | 0        | 0     | 0      | 0    | 0        |

| IP | Receive | Deliver | Errors | InDiscards | Forward | Request | NoRoute | OutDiscards |
|----|---------|---------|--------|------------|---------|---------|---------|-------------|
|    | 75605   | 574     | 0      | 0          | 54611   | 622     | 0       | 50          |

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     |
| 10.225.0.220   | 255.255.255.252 | 0.0.0.0      | 1  | LOCAL  | ACTIVE     |
| 10.225.65.0    | 255.255.255.0   | 10.225.0.222 | 1  | STATIC | ACTIVE     |
| 172.18.192.171 | 255.255.255.255 | 0.0.0.0      | 3  | LOCAL  | ACTIVE     |

3 – Configurações dos Equipamentos

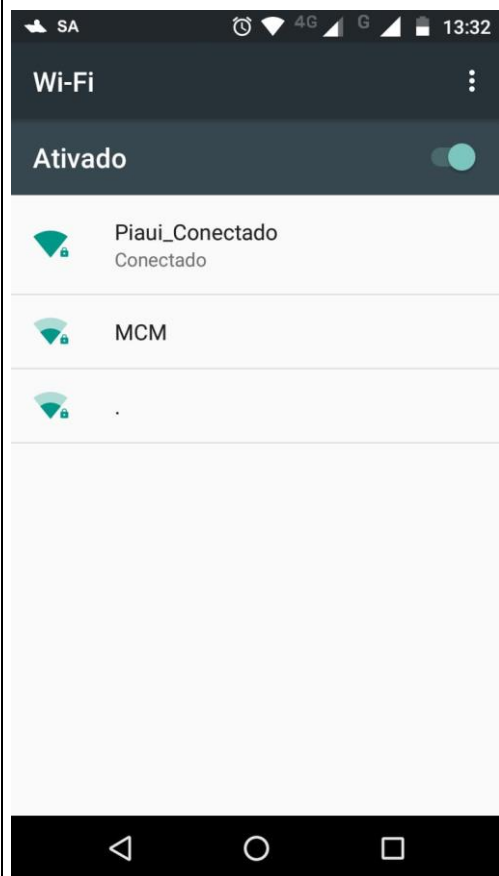
Configurações de Rede

| Configurações  | Interfaces | Roteamento Estático | Roteamento Dinâmico | Configurações IPv6 | Controle de Banda | H.A. |
|----------------|------------|---------------------|---------------------|--------------------|-------------------|------|
| <div>+ -</div> |            |                     |                     |                    |                   |      |
| Status         | Interface  | Endereço            | Gateway             | Tipo               | Zona              | Ação |
|                | eth0       | 10.225.0.222/30     | -                   | Física             | WAN               |      |
|                | eth1       | 10.225.65.1/24      | -                   | Física             | LAN               |      |
|                | eth2       | -                   | -                   | Física             | -                 |      |
|                | eth3       | -                   | -                   | Física             | -                 |      |

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.0.222 netmask 255.255.255.252 broadcast 10.225.0.223
    ether 00:90:27:f0:89:d0 txqueuelen 10000 (Ethernet)
    RX packets 61688 bytes 82762953 (78.9 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 32816 bytes 2849017 (2.7 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 10.225.65.1 netmask 255.255.255.0 broadcast 10.225.65.255
    ether 00:90:27:f0:89:d1 txqueuelen 10000 (Ethernet)
    RX packets 35102 bytes 3157134 (3.0 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 65575 bytes 88044549 (83.9 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 17455 bytes 18806477 (17.9 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 17455 bytes 18806477 (17.9 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```



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

