



## TERMO DE ACEITE TÉCNICO

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

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**Orgão:** ATI

**Unidade:** Praça da Igreja Nossa Senhora

**Data Instalação**

10/01/2019

**Data Ativação**

10/01/2019

**Operadora**  
Global Eagle

**VSAT-ID**  
ATI-PB-0252-OUT

**Porta kbps**  
4096/512

**Tipo**  
Outdoor

Piauí, 10 de janeiro de 2019

### 1 – Local da Instalação



## 2 – Configurações do Modem

# device show

System Information:

Name : ATI-PB-0252-OUT  
Location : Agricolândia - PI  
Contact :  
System Up time : 0 days, 01:58:54  
CPU Load : 34%  
System time(UTC) : 10 January 2019 20:38:55  
Broadcast Message : not set

HW:

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

MAC addresses:

LAN : 00:20:0e:10:9c:ae  
Satellite (DVB) : 00:20:0e:10:9c:ae

# 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	27.466667	11.727054	DVB-S2 2	0	0.0	E		Yes	
1	1	25.000000	11.628079	DVB-S2 105	0	0.0	E		No	

Satellite (DVB) Receiver Status

-----  
Rx State : On  
DVB State : Forward link up  
Network : 65281, ATI-Piaui-Conectado  
Frequency : 11.727052 GHz  
Symbol Rate : 27.465724 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 : 15.6 dB  
Input Power : -36 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 : -22.0 dBm
Es/No           : 14.5 dB
Header Compression : SHC/UDP/IP
Timing correction : 152 us (249491 us)
Frequency correction: -30 Hz
# arp show

NetAddr  State  MacAddr      If
10.225.3.250 Dynamic 00:90:27:ef:6e:dc 1
# ip show
Interfaces
If  IPAddress  SubnetMask  BroadCastAddr  MTU      Alias  AdminStatus
1  10.225.3.249 255.255.255.252 10.225.3.251 1500     eth0  1
3  172.26.7.2 255.255.255.255      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  57698   7      0  7174011  81168   62     0  29706012
3  28663   0      0  19986136  29497   0      0  4615804
4    0     0      0    0      0      0      0    0
IP Receive Deliver  Errors InDiscards Forward Request NoRoute OutDiscards
86054  6412    0    0 110614  26310    0    0

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
10.225.3.248 255.255.255.252 0.0.0.0 1 LOCAL ACTIVE
10.226.8.0 255.255.255.0 10.225.3.250 1 STATIC ACTIVE
172.26.7.2 255.255.255.255 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	10.225.3.250/30	-	Física	WAN	 
	 eth1	10.226.8.1/24	-	Física	LAN	 
	 eth2	-	-	Física	-	 
	 eth3	-	-	Física	-	 

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.3.250 netmask 255.255.255.252 broadcast 10.225.3.251
    ether 00:90:27:ef:6e:dc txqueuelen 10000 (Ethernet)
    RX packets 84686 bytes 30553210 (29.1 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 61580 bytes 8239056 (7.8 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 10.226.8.1 netmask 255.255.255.0 broadcast 10.226.8.255
    ether 00:90:27:ef:6e:dd txqueuelen 10000 (Ethernet)
    RX packets 66326 bytes 8716259 (8.3 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 89083 bytes 35940115 (34.2 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 46280 bytes 40835565 (38.9 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 46280 bytes 40835565 (38.9 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```



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

