



# TERMO DE ACEITE TÉCNICO

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

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**Orgão:** SEDUC

**Unidade:** Escolar Malaquias Ribeiro Damasceno

**Data Instalação**

23/10/2018

**Data Ativação**

23/10/2018

**Operadora**  
Global Eagle

**VSAT-ID**  
ATI-ES-0155-IND

**Porta kbps**  
4M/256k

**Tipo**  
Indoor

Piauí, 23 de Outubro de 2018

## 1 – Local da Instalação



## 2 – Configurações do Modem

# device show

System Information:

Name : ATI-PB-0155-IND  
Location : São Lourenço do Piauí - PI  
Contact :  
System Up time : 0 days, 01:27:30  
CPU Load : 42%  
System time(UTC) : 23 October 2018 15:19:04  
Broadcast Message : not set

HW:

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

MAC addresses:

LAN : 00:20:0e:10:86:1e  
Satellite (DVB) : 00:20:0e:10:86:1e

# 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 : -19.2 dBm  
Es/No : 14.0 dB  
Header Compression : Disabled  
Timing correction : -233 us (250380 us)  
Frequency correction: 310 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 : 11.628107 GHz  
Symbol Rate : 24.999938 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 : 14.1 dB  
Input Power : -36 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	10.225.2.117	255.255.255.252	10.225.2.119	1500	eth0	1
3	172.18.192.201	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	220254	227	132	97171566	348584	62	0	411639594
3	329474	0	6	413879112	103661	0	0	88729537
4	0	0	0	0	0	0	0	0

IP Receive Deliver Errors InDiscards Forward Request NoRoute OutDiscards

549724 939 0 0 452374 1054 85 143

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
10.225.2.116	255.255.255.252	0.0.0.0	1	LOCAL	ACTIVE
10.225.167.0	255.255.255.0	10.225.2.118	1	STATIC	ACTIVE
172.18.192.201	255.255.255.255	0.0.0.0	3	LOCAL	ACTIVE

#

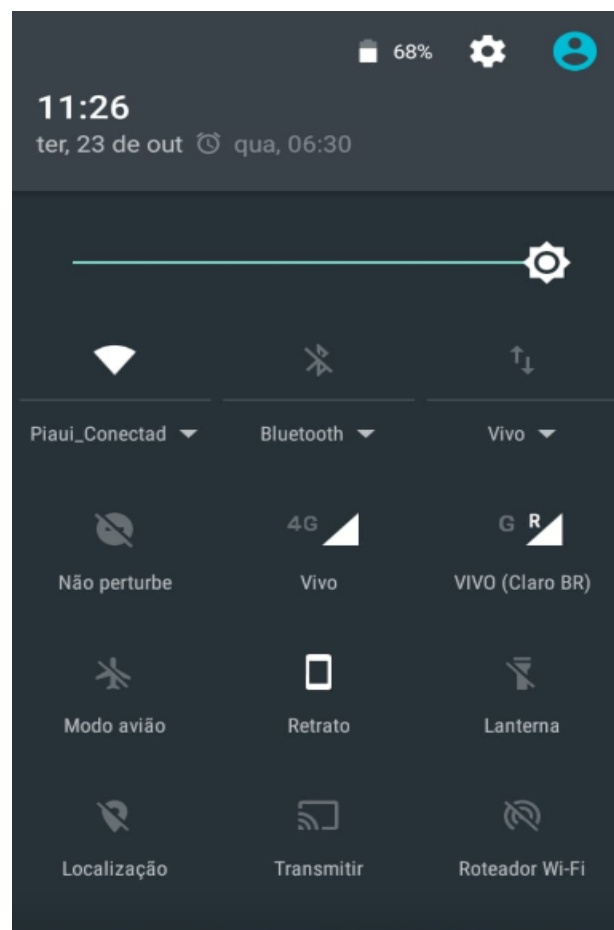
### 3 – Configurações dos Equipamentos

```
COM3 - PuTTY
admin > ifconfig
eth0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 10.225.2.117 netmask 255.255.255.252 broadcast 10.225.2.119
    ether 00:90:27:ef:70:8c txqueuelen 10000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 16 memory 0xfe8e0000-fe900000

eth1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 10.225.167.1 netmask 255.255.255.0 broadcast 10.225.167.255
    ether 00:90:27:ef:70:8d txqueuelen 10000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    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 431797 bytes 315497397 (300.8 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 431797 bytes 315497397 (300.8 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

admin >
```



4 – Teste de Velocidade

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