



# TERMO DE ACEITE TÉCNICO

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

**NOC/Operadora:** Leonardo Martins Silva

**Técnico Instalador:** Jean Polini

**Contato:** 11 97701-2709

**Email:** jeanpolinitelecom@gmail.com

**ATI:** Wesley Souza

**Responsável/cliente:** Gutemberg Ferreira da Costa

**Orgão:** SEDUC

**Data Instalação**  
28/11/2018

**Data Ativação**  
28/11/2018

**Unidade:** Publico

**Município:** Pio IX - PI

**Coordenadas:** 6°52'6.00"S 40°47'36.00"W

**Operadora**  
Global Eagle

**VSAT-ID**  
ATI-PB-0203-OUT

**Porta kbps**  
4M/256k

**Tipo**  
Indoor

Piauí, 28 de Novembro de 2018

## 1 – Local da Instalação



## 2 – Configurações do Modem

# device show

### System Information:

Name : ATI-PB-0203-OUT  
Location : Pio IX - PI  
Contact :  
System Up time : 12 days, 17:51:10  
CPU Load : 49%  
System time(UTC) : 28 November 2018 14:13:23  
Broadcast Message : not set

### HW:

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

### MAC addresses:

LAN : 00:20:0e:10:9b:fd  
Satellite (DVB) : 00:20:0e:10:9b:fd

# 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 : -18.9 dBm  
Es/No : 10.5 dB  
Header Compression : Disabled  
Timing correction : -265 us (249532 us)  
Frequency correction: 300 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 : 11.628088 GHz  
Symbol Rate : 24.999851 Msps  
S2 ModCod  
- receiving : 21 16APSK-5/6  
- 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 : 14.8 dB  
Input Power : -27 dBm  
# odu show

#### Antenna

-----  
Type ASC/Andrew/Channel Master Type 123 - 1.2m  
Antenna controller None  
Tx Gain 43.3dB

#### Transmitter (BUC)

-----  
Type JRC NJT5037 (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	10.225.3.53	255.255.255.252	10.225.3.55	1500	eth0	1
3	172.18.193.53	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	138019	2086	1042	65924842	171270	8926	1	150617106
3	147470	0	0	148807319	89712	0	617	60067288
4	0	0	0	0	0	0	0	0

IP Receive Deliver Errors InDiscards Forward Request NoRoute OutDiscards

287118	10620	0	0	261881	18419	503	580
--------	-------	---	---	--------	-------	-----	-----

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
10.225.3.52	255.255.255.252	0.0.0.0 1	LOCAL	ACTIVE
10.225.215.0	255.255.255.0	10.225.3.54 1	STATIC	ACTIVE
172.18.193.53	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.

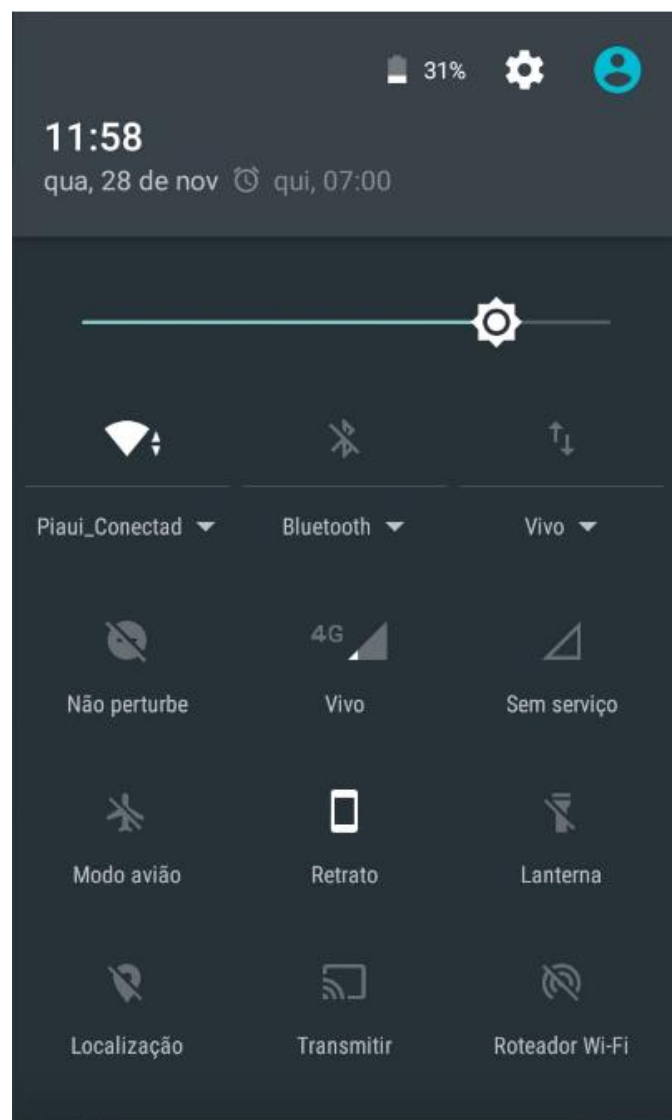
Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	eth0	10.225.3.54/30	-	Física	WAN	
	eth1	10.225.215.1/24	-	Física	LAN	
	eth2	-	-	Física	-	
	eth3	-	-	Física	-	

```
COM3 - PuTTY
admin >ifconfig
eth0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 10.225.3.54 netmask 255.255.255.252 broadcast 10.225.3.55
    ether 00:90:27:f0:86:28 txqueuelen 10000 (Ethernet)
    RX packets 1183 bytes 104901 (102.4 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 12 bytes 1587 (1.5 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 10.225.215.1 netmask 255.255.255.0 broadcast 10.225.215.255
    ether 00:90:27:f0:86:29 txqueuelen 10000 (Ethernet)
    RX packets 5075 bytes 779954 (761.6 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 7422 bytes 8559865 (8.1 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 88723 bytes 39457511 (37.6 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 88723 bytes 39457511 (37.6 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

admin >
```



4 – Teste de Velocidade -Download/Upload

