



## TERMO DE ACEITE TÉCNICO

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

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**Responsável/cliente:** ELIZANY VAZ E SILVA CRUZ

**Orgão:** SEDUC

**Unidade:** Unidade Escolar Cecília Lacerda

**Data Instalação**

04/10/2018

**Data Ativação**

04/10/2018

**Operadora**  
Global Eagle

**VSAT-ID**  
ATI-ES-0084-IND

**Porta kbps**  
4096/512

**Tipo**  
Indoor

Piauí, 04 de Outubro de 2018

### 1 – Local da Instalação



## 2 – Configurações do Modem

device show

System Information:

Name : ATI-ES-0084-IND  
Location : PI  
Contact :  
System Up time : 2 days, 05:08:13  
CPU Load : 12%  
System time(UTC) : 08 October 2018 05:05:16  
Broadcast Message : not set

HW:

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

MAC addresses:

LAN : 00:20:0e:10:86:37  
Satellite (DVB) : 00:20:0e:10:86:37

# 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 : 13.0 dB  
Header Compression : Disabled  
Timing correction : -22 us (250056 us)  
Frequency correction: 120 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          : 11.628037 GHz
Symbol Rate       : 24.999607 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                : 13.1 dB
Input Power        : -38 dBm
# odu show
```

## Antenna

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

Transmitter (BUC)

Type	Invacom TUL-204 (14.0-14.5 GHz)
Local oscillator	13.050000 GHz
DC supply	24V On
Reference	10Mhz On

## Receiver (LNB)

Type	Zinwell ZK-VJ1 (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

	IPAddress	SubnetMask	BroadCastAddr	MTU	Alias	AdminStatus
1	10.225.0.237	255.255.255.252	10.225.0.239	1500	eth0	1
3	172.18.192.96	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 -----

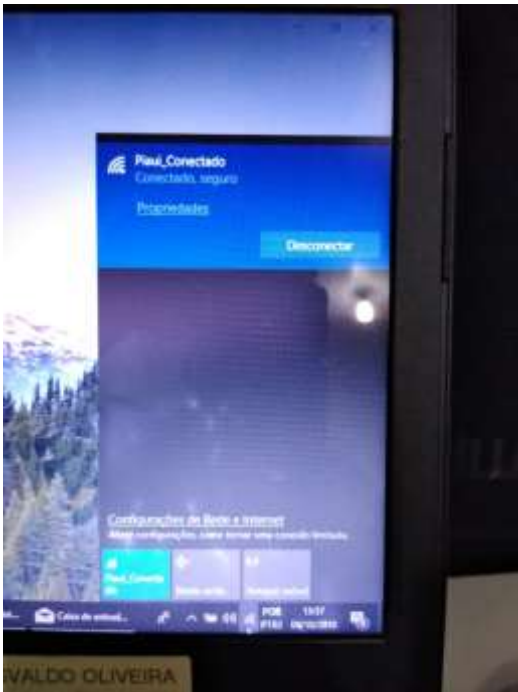
If	UCast	NUCast	Disc	Octets	UCast	NUCast	Disc	Octets
1	185459	0	0	146782944	207905	1535	0	78720768
3	142122	0	5	82088259	155965	0	0	140974645
4	0	0	0	0	0	0	0	0
IP	Receive	Deliver	Errors	InDiscards	Forward	Request	NoRoute	OutDiscards
	321237	562	0	0	357686	2542	0	5

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	
10.225.0.236	255.255.255.252	0.0.0.0	1	LOCAL	ACTIVE	
10.225.69.0	255.255.255.0	10.225.0.238	1	STATIC	ACTIVE	
172.18.192.96	255.255.255.255	0.0.0.0	3	LOCAL	ACTIVE	

### 3 – Configurações dos Equipamentos



4 – Teste de Velocidade

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