



## TERMO DE ACEITE TÉCNICO

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

**NOC/Operadora:** Wallace Teixeira

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**Responsável/cliente:** Gilvan Rodrigues dos Santos

**Orgão:** SEDUC

**Unidade:** Unidade Escolar Antônio Borges Leal

**Data Instalação**  
14/09/2018

**Data Ativação** 14/09/2018

**Operadora** Global  
Eagle

**VSAT-ID** ATI-ES-0013-IND

**Porta kbps** 1024/256

**Tipo** Indoor

Piauí, 19 de setembro de 2018

### 1 – Local da Instalação



## 2 – Configuração do Modem

device show

System Information:

Name : ATI-ES-0013-IND  
Location : PI  
Contact :  
System Up time : 0 days, 02:49:51  
CPU Load : 8%  
System time(UTC) : 14 September 2018 04:44:09  
Broadcast Message : not set

HW:

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

MAC addresses:

Ethernet (LAN) : 00:20:0e:10:85:af  
Satellite (DVB) : 00:20:0e:10:85:af

# dvb tx show

Satellite (DVB) TX Configuration

-----  
Auto start : Enabled  
IDU Output Power : -20 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 : -20.1 dBm  
Es/No : 17.5 dB  
Header Compression : Disabled  
Timing correction : -111 us (250727 us)  
Frequency correction: 70 Hz  
# dvb rx show

Satellite (DVB) RX Configuration

-----  
Auto start : Enabled  
Max Traffic MODCOD : 23 16APSK-9/10  
RX watchdog : 15 minute

Idx	Pri	SymbRate[Msps]	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 : 11.628036 GHz  
Symbol Rate : 24.999578 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 : 12.9 dB  
Input Power : -36 dBm  
# odu show

Antenna

-----  
Type ASC/Andrew/Channel Master Type 123 - 1.2m  
Antenna controller None  
Tx Gain at 14.25 GHz 43.3dB

Transmitter (BUC)

-----  
Type JRC NJT5017 (14.0-14.5 GHz)  
Local oscillator 13.050000 GHz  
DC supply 24V 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	10.225.0.125	255.255.255.252	10.225.0.127	1500	eth0	1
3	172.18.192.2	255.255.255.255	N/A	1500	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	188607	122	0	97271454	361456	87	0	440608746
3	350400	0	0	441632749	101677	0	1760	88189731
4	0	0	0	0	0	0	0	0
IP	Receive	Deliver	Errors	Discards	Forward	Request	NoRoute	Discards
	538827	467	0	0	464177	630	0	0

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	
0.0.0.0	0.0.0.0	0.0.0.0	3	STATIC	
10.225.0.124	255.255.255.252	0.0.0.0	1	LOCAL	
10.225.41.0	255.255.255.0	10.255.0.126	1	STATIC	
172.18.192.2	255.255.255.255	0.0.0.0	3	LOCAL	

### 3 – Configurações dos Equipamentos

#### Configurações de Rede

Configurações	Interfaces	Roteamento Estático	Roteamento Dinâmico	Configurações IPv6	Controle de Banda	H.A.
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Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	eth0	10.225.0.126/30	-	Física	WAN	
	eth1	10.225.41.1/24	-	Física	LAN	
	eth2	-	-	Física	-	
	eth3	-	-	Física	-	

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.0.126 netmask 255.255.255.252 broadcast 10.225.0.127
    ether 00:0b:ab:f5:c6:b6 txqueuelen 10000 (Ethernet)
    RX packets 9593 bytes 1042622 (1018.1 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 21818 bytes 31386644 (29.9 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device memory 0xd0900000-d091ffff

eth1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 10.225.41.1 netmask 255.255.255.0 broadcast 10.225.41.255
    ether 00:0b:ab:f5:c6:b7 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 memory 0xd0800000-d081ffff
```

4 – Teste de Velocidade

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