



## TERMO DE ACEITE TÉCNICO

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

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**Orgão:** SEDUC

**Unidade:** Unidade Escolar Severino Rocha

**Data Instalação**

19/09/2018

**Data Ativação**

19/09/2018

**Operadora**  
Global Eagle

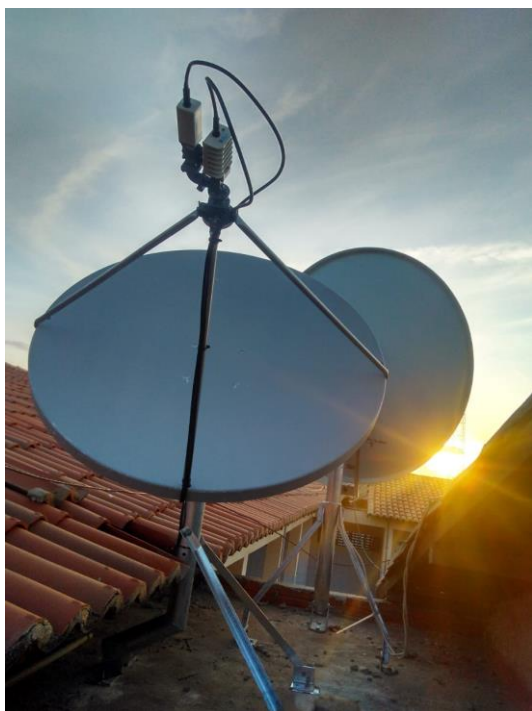
**VSAT-ID**  
ATI-ES-0027-IND

**Porta kbps**  
4096/512

**Tipo**  
Indoor

Piauí, 19 de setembro de 2018

### 1 – Local da Instalação



## 2 – Configurações do Modem

# device show

System Information:

Name : ATI-ES-0027-IND  
Location : Jacobina - PI  
Contact :  
System Up time : 0 days, 01:26:55  
CPU Load : 17%  
System time(UTC) : 19 September 2018 23:40:42  
Broadcast Message : not set

HW:

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

MAC addresses:

Ethernet (LAN) : 00:20:0e:10:94:4d  
Satellite (DVB) : 00:20:0e:10:94:4d

# 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 : -19.8 dBm  
Es/No : 12.5 dB  
Header Compression : Disabled  
Timing correction : 0 us (249776 us)  
Frequency correction: 290 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 : 11.628163 GHz  
Symbol Rate : 25.000295 Msps  
S2 ModCod

- receiving : 1 QPSK-1/4
- 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 : 10.3 dB  
Input Power : -40 dBm

# arp show

NetAddr	State	MacAddr	If
10.225.0.82	Dynamic	00:0b:ab:f5:c9:3a	1

# ip show

Interfaces

If	IPAddress	SubnetMask	BroadCastAddr	MTU	Alias	AdminStatus
1	10.225.0.81	255.255.255.252	10.225.0.83	1500	eth0	1
3	172.18.192.29	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	359853	9	25	29125415	400209	46	0	515987919
3	427044	0	0	553875990	84942	0	0	10236333
4	0	0	0	0	0	0	0	0

IP	Receive	Deliver	Errors	Discards	Forward	Request	NoRoute	Discards
	786756	116	0	0	484876	204	1	31

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
10.225.0.80	255.255.255.252	0.0.0.0	1	LOCAL
10.225.30.0	255.255.255.0	10.225.0.82	1	STATIC
172.18.192.29	255.255.255.255	0.0.0.0	3	LOCAL

### 3 – Configurações dos Equipamentos

#### Configurações de Rede

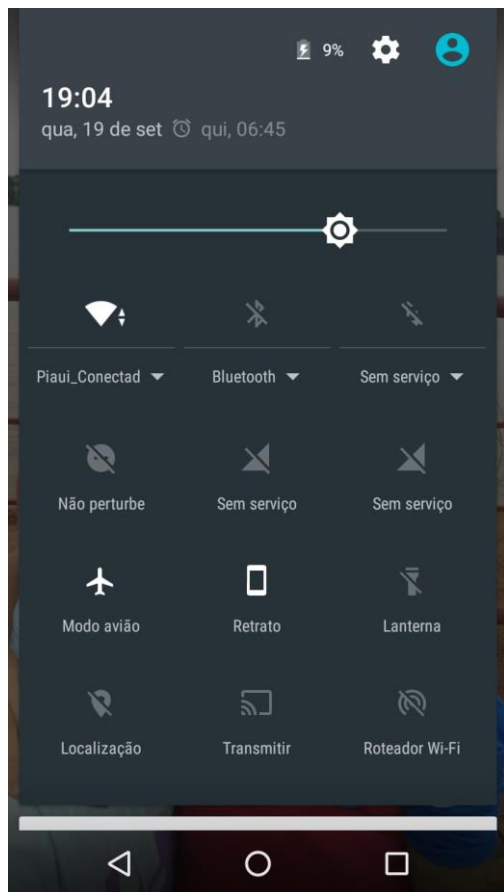
[Configurações](#)[Interfaces](#)[Roteamento Estático](#)[Roteamento Dinâmico](#)[Configurações IPv6](#)[Controle de Banda](#)[H.A.](#)

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	eth0	10.225.0.82/30	-	Física	WAN	
	eth1	10.225.30.1/24	-	Física	LAN	
	eth2	-	-	Física	-	
	eth3	-	-	Física	-	

```
admin >ifconfig
eth0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 10.225.0.82 netmask 255.255.255.252 broadcast 10.225.0.83
    ether 00:0b:ab:f5:c9:3a 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 0xd0900000-d091ffff

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.30.1 netmask 255.255.255.0 broadcast 10.225.30.255
    ether 00:0b:ab:f5:c9:3b txqueuelen 10000 (Ethernet)
    RX packets 2080 bytes 376839 (368.0 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 4637 bytes 6077600 (5.7 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device memory 0xd0800000-d081ffff

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 23517 bytes 8507678 (8.1 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 23517 bytes 8507678 (8.1 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```



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

