



# TERMO DE ACEITE TÉCNICO

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

**NOC/Operadora:** Rogério Frias

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**ATI:** Wesley Souza

**Responsável/cliente:** Douglas F. Santos

**Orgão:** SEDUC

**Data Instalação**  
19/12/18

**Data Ativação**  
19/12/18

**Unidade:** Unid. Esc. João Leal

**Município:** Nazaré do Piauí

**Coordenadas:** 6°58'25.00"S 42°40'29.00"W

**Operadora**  
Global Eagle

**VSAT-ID**  
ATI-ES-0276-IND

**Porta kbps**  
4096/512

**Tipo**  
Indoor

Piauí, 19 de Dezembro de 2018

## 1 – Local da Instalação



## 2 – Configurações do Modem

# device show

### System Information:

Name : ATI-ES-0276-IND  
Location : Nazare do Piaui - PI  
Contact :  
System Up time : 0 days, 01:06:02  
CPU Load : 24%  
System time(UTC) : 19 December 2018 14:56:42  
Broadcast Message : not set

### HW:

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

### MAC addresses:

LAN : 00:20:0e:10:93:bc  
Satellite (DVB) : 00:20:0e:10:93:bc

# dvb tx show

### Satellite (DVB) TX Configuration

-----  
Auto start : Enabled  
BUPC status : Disabled  
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 : -20.0 dBm  
Es/No : 15.0 dB  
Header Compression : Disabled  
Timing correction : -227 us (250189 us)  
Frequency correction: 350 Hz

# dvb rx show

### Satellite (DVB) RX Configuration

-----  
Auto start : Enabled  
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 : 11.628117 GHz  
Symbol Rate : 24.999801 Msps  
S2 ModCod  
- receiving : 1 QPSK-1/4  
- 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 : 16.3 dB  
Input Power : -37 dBm

# arp show

NetAddr	State	MacAddr	If
10.225.4.90	Dynamic	00:90:27:f0:86:70	1

# ip show

Interfaces

If	IPAddress	SubnetMask	BroadCastAddr	MTU	Alias	AdminStatus
1	10.225.4.89	255.255.255.252	10.225.4.91	1500	eth0	1
3	172.18.193.84	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	2861	1	87	773871	3161	36	0	1577632
3	2620	0	241	1507130	2299	0	0	526424
4	0	0	0	0	0	0	0	0

IP	Receive	Deliver	Errors	InDiscards	Forward	Request	NoRoute	OutDiscards
	5417	145	0	0	5857	216	0	344

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
10.225.4.88	255.255.255.252	0.0.0.0	1	LOCAL	ACTIVE
10.226.32.0	255.255.255.0	10.225.4.90	1	STATIC	ACTIVE
172.18.193.84	255.255.255.255	0.0.0.0	3	LOCAL	ACTIVE

#

### 3 – Configurações dos Equipamentos

```
eth0: flags=4096<UP,BROADCAST,MULTICAST> mtu 1500
    inet 10.225.4.90 netmask 255.255.255.252 broadcast 10.225.4.91
    ether 00:90:27:f0:86:70 txqueuelen 10000 (Ethernet)
    RX packets 3220 bytes 1593208 (1.5 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 2883 bytes 792490 (773.9 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 10.226.32.1 netmask 255.255.255.0 broadcast 10.226.32.255
    ether 00:90:27:f0:86:71 txqueuelen 10000 (Ethernet)
    RX packets 3250 bytes 846655 (826.8 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 3277 bytes 1596755 (1.5 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 20231 bytes 14274749 (13.6 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 20231 bytes 14274749 (13.6 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```



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

