



# TERMO DE ACEITE TÉCNICO

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

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**Orgão:** SEDUC

**Unidade:** Pedro Mendes Pessoa

**Data Instalação**

01/10/2018

**Data Ativação**

01/10/2018

**Operadora**  
Global Eagle

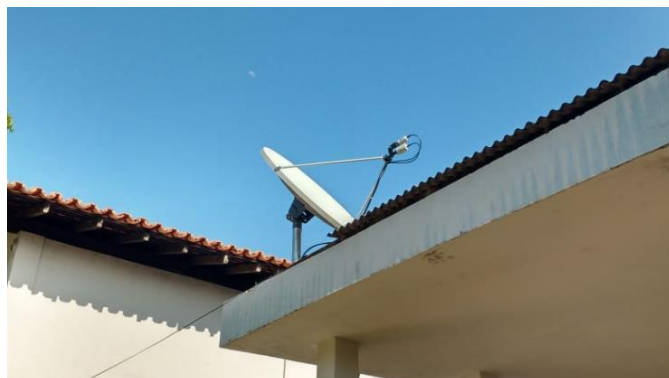
**VSAT-ID**  
ATI-ES-0076-IND

**Porta kbps**  
4024/256

**Tipo**  
Indoor

Piauí, 01 de Outubro de 2018

## 1 – Local da Instalação



## 2 – Configurações do Modem

# device show

System Information:

Name : ATI-ES-0076-IND  
Location : Amarante -PI  
Contact :  
System Up time : 0 days, 00:01:11  
CPU Load : 22%  
System time(UTC) : 01 October 2018 13:03:45  
Broadcast Message : not set

HW:

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

MAC addresses:

Ethernet (LAN) : 00:20:0e:10:8b:0c  
Satellite (DVB) : 00:20:0e:10:8b:0c

# 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 : -20.2 dBm  
Es/No : 14.0 dB  
Header Compression : Disabled  
Timing correction : -298 us (249951 us)  
Frequency correction: 240 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[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 : 11.628094 GHz  
Symbol Rate : 24.999902 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 : 12.7 dB  
Input Power : -39 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 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

If	IPAddress	SubnetMask	BroadCastAddr	MTU	Alias	AdminStatus
1	10.225.0.33	255.255.255.252	10.225.0.35	1500	eth0	1
3	172.18.192.68	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	70	7	0	19489	67	4	0	7714
3	160	0	0	13023	198	0	0	22586
4	0	0	0	0	0	0	0	0

IP Receive Deliver Errors Discards Forward Request NoRoute Discards

234	101	0	0	132	136	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
10.225.0.32	255.255.255.252	0.0.0.0	1	LOCAL
10.225.18.0	255.255.255.0	10.225.0.34	1	STATIC
172.18.192.68	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.

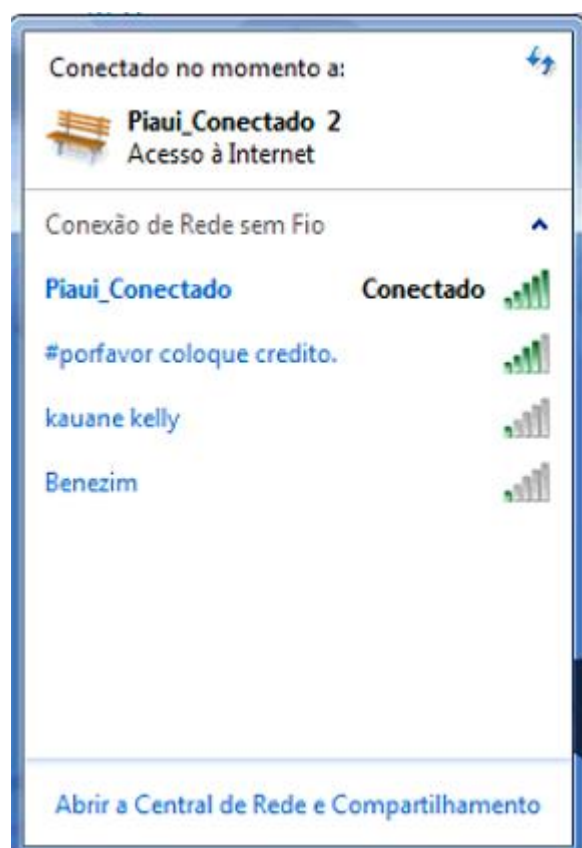
Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	eth0	10.225.0.34/30	-	Física	WAN	
	eth1	10.225.18.1/24	-	Física	LAN	
	eth2	-	-	Física	-	
	eth3	-	-	Física	-	

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.0.34 netmask 255.255.255.252 broadcast 10.225.0.35
    ether 00:90:27:f0:87:5c txqueuelen 10000 (Ethernet)
    RX packets 9965 bytes 4461233 (4.2 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 9721 bytes 2257500 (2.1 MiB)
    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 10.225.18.1 netmask 255.255.255.0 broadcast 10.225.18.255
    ether 00:90:27:f0:87:5d txqueuelen 10000 (Ethernet)
    RX packets 12182 bytes 2701397 (2.5 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 14959 bytes 10770214 (10.2 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 44265 bytes 27504430 (26.2 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 44265 bytes 27504430 (26.2 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

admin >
```



4 – Teste de Velocidade

Download/Uplloand

