



## TERMO DE ACEITE TÉCNICO

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

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<b>Orgão:</b> SEDUC	<b>Unidade:</b> Escritório de Atendimento a Comunidade	<b>Data Instalação</b> 19/09/2018	<b>Data Ativação</b> 19/09/2018
<b>Operadora</b> Global Eagle	<b>VSAT-ID</b> ATI-ES-0051-IND	<b>Porta kbps</b> 4024/256	<b>Tipo</b> Indoor

Piauí, 19 de Setembro de 2018

### 1 – Local da Instalação



## 2 – Configurações do Modem

# device show

System Information:

Name : ATI-ES-0051-IND  
Location : DOM EXPEDITO LOPES - PI  
Contact :  
System Up time : 0 days, 01:00:34  
CPU Load : 20%  
System time(UTC) : 19 September 2018 14:25:44  
Broadcast Message : not set

HW:

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

MAC addresses:

Ethernet (LAN) : 00:20:0e:10:94:5f  
Satellite (DVB) : 00:20:0e:10:94:5f

# 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 : 12.5 dB  
Header Compression : Disabled  
Timing correction : -287 us (249780 us)  
Frequency correction: 330 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 : 11.628119 GHz  
Symbol Rate : 24.999923 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 : 10.2 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 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  
13/18VDC supply 13V

# ip show

Interfaces

If	IPAddress	SubnetMask	BroadCastAddr	MTU	Alias	AdminStatus
1	10.225.1.253	255.255.255.252	10.225.1.255	1500	eth0	1
3	172.18.193.248	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	140460	9	0	8602474	222312	43	0	303879323
3	222353	0	0	304329454	29597	0	0	1343904
4	0	0	0	0	0	0	0	0

IP	Receive	Deliver	Errors	Discards	Forward	Request	NoRoute	Discards
	362750	109	0	0	251699	175	0	0

Interface Directed Routing Table

In If Out If

-----IP LACStatistics-----

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
10.225.1.252	255.255.255.252	0.0.0.0	1	LOCAL
10.225.137.0	255.255.255.0	10.225.1.254	1	STATIC
172.18.193.248	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.

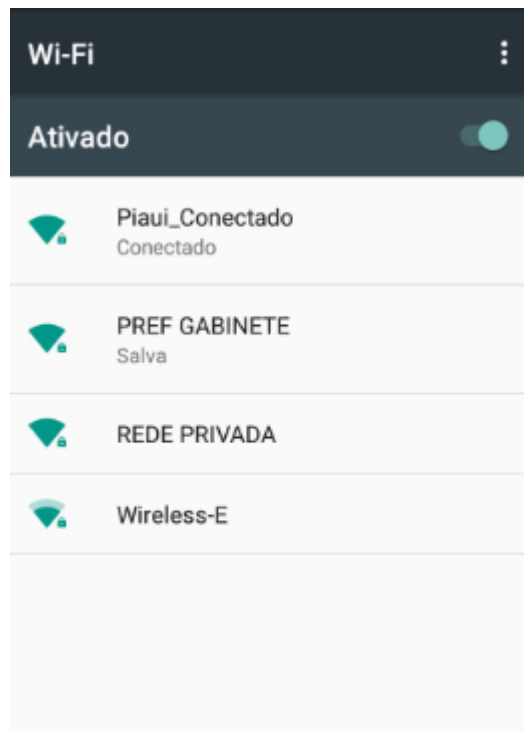
Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	 eth0	10.225.1.254/30	-	Física	WAN	 
	 eth1	10.225.137.1/24	-	Física	LAN	 
	 eth2	-	-	Física	-	 
	 eth3	-	-	Física	-	 

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.1.254 netmask 255.255.255.252 broadcast 10.225.1.255
    ether 00:0b:ab:f5:c7:62 txqueuelen 10000 (Ethernet)
    RX packets 174553 bytes 237891943 (226.8 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 114359 bytes 6257735 (5.9 MiB)
    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 10.225.137.1 netmask 255.255.255.0 broadcast 10.225.137.255
    ether 00:0b:ab:f5:c7:63 txqueuelen 10000 (Ethernet)
    RX packets 8928 bytes 2178476 (2.0 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 17008 bytes 18961073 (18.0 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 1083904 bytes 183563251 (175.0 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1083904 bytes 183563251 (175.0 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

admin >
```



#### 4 – Teste de Velocidade

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