



# TERMO DE ACEITE TÉCNICO

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

**NOC/Operadora:** Leonardo Martins Silva

**Técnico Instalador:** Arnaldo Ribeiro

**Contato:** 88 9810-4720

**Email:** netpointjuazeiro@gmail.com

**ATI:** Wesley Souza

**Responsável/cliente:** Isaías Borges

**Orgão:** ATI

**Data Instalação**  
20/12/2018

**Data Ativação**  
20/12/2018

**Unidade:** Praça São Pedro

**Município:** Santana do Piauí

**Coordenadas:** 6°56'44.00"S 41°31'7.00"W

**Operadora**  
Global Eagle

**VSAT-ID**  
ATI-PB-0258-OUT

**Porta kbps**  
4M/512k

**Tipo**  
Indoor

Piauí, 20 de Dezembro de 2018

## 1 – Local da Instalação



## 2 – Configurações do Modem

# device show

System Information:

Name : ATI-PB-0258-OUT  
Location : Santana do Piauí -PI  
Contact :  
System Up time : 0 days, 01:55:17  
CPU Load : 42%  
System time(UTC) : 20 December 2018 19:12:18  
Broadcast Message : not set

HW:

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

MAC addresses:

LAN : 00:20:0e:10:60:28  
Satellite (DVB) : 00:20:0e:10:60:28

# dvb tx show

Satellite (DVB) TX Configuration

-----  
Auto start : Enabled  
BUPC status : Disabled  
IDU Output Power : -19 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 : -18.9 dBm  
Es/No : 13.5 dB  
Header Compression : Disabled  
Timing correction : -47 us (249783 us)  
Frequency correction: 370 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[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 : 11.628107 GHz  
Symbol Rate : 25.000240 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 : 15.6 dB  
Input Power : -32 dBm  
# odu show

#### Antenna

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

#### Transmitter (BUC)

-----  
Type JRC NJT5017 (14.0-14.5 GHz)  
Local oscillator 13.050000 GHz  
DC supply 24V On  
Reference 10Mhz 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	10.225.4.17	255.255.255.252	10.225.4.19	1540	eth0	1
3	172.18.137.225	255.255.255.255	N/A	1540	dvb0	1
4	N/A	N/A	N/A	1540	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	134058	12	0	29987236	151495	59	0	114419404
3	139049	0	0	118092500	113231	0	193	26829630
4	0	0	0	0	0	0	0	0

IP Receive Deliver Errors InDiscards Forward Request NoRoute OutDiscards

272862 130 0 0 265767 275 0 0

Interface Directed Routing Table  
In If Out If

-----IP LAC Statistics-----

RPF	Src eq dest	RPF HitCount	Src eq dest HitCount	Mfc HitCount (-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
10.225.4.16	255.255.255.252	0.0.0.0	1	LOCAL	ACTIVE
10.226.14.0	255.255.255.0	10.225.4.18	1	STATIC	ACTIVE
172.18.137.225	255.255.255.255	0.0.0.0	3	LOCAL	ACTIVE

#

3 – Configurações dos Equipamentos

Configurações de Rede

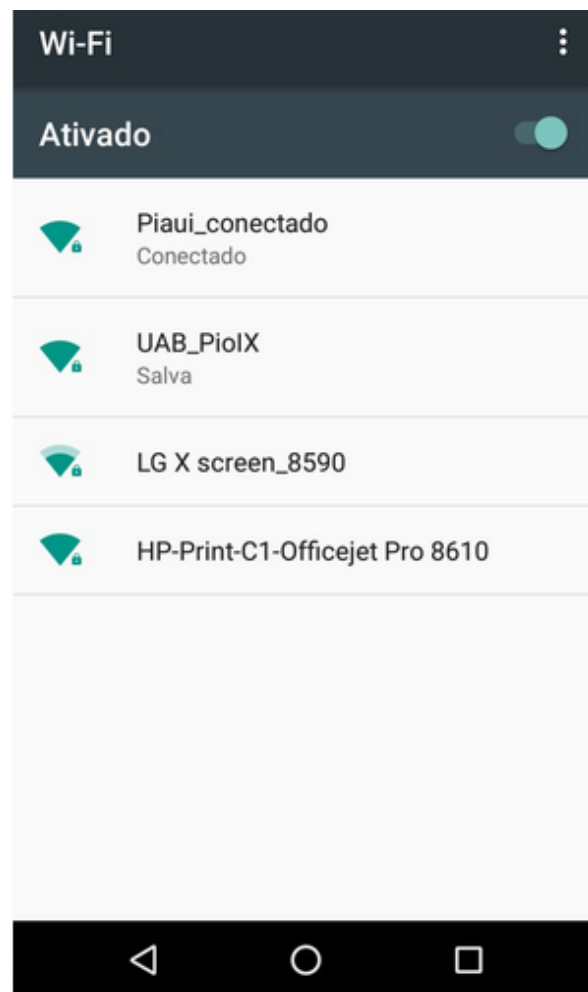
Configurações						
Interfaces						
Roteamento Estático						
Roteamento Dinâmico						
Configurações IPv6						
Controle de Banda						
H.A.						
Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	 eth0	10.225.4.18/30	-	Física	WAN	 
	 eth1	10.226.14.1/24	-	Física	LAN	 
	 eth2	-	-	Física	-	 
	 eth3	-	-	Física	-	 

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.4.18 netmask 255.255.255.252 broadcast 10.225.4.19
    ether 00:90:27:f0:85:bc txqueuelen 10000 (Ethernet)
    RX packets 1149 bytes 105495 (103.0 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 521 bytes 38753 (37.8 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 10.226.14.1 netmask 255.255.255.0 broadcast 10.226.14.255
    ether 00:90:27:f0:85:bd txqueuelen 10000 (Ethernet)
    RX packets 4845 bytes 854866 (834.8 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 7887 bytes 8880914 (8.4 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 100508 bytes 40831316 (38.9 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 100508 bytes 40831316 (38.9 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

admin >
```



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

