TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Leonardo Martins Silva	**Técnico Instalador:** Analdo Ribeiro **Contato**: 88 9810-4720 **Email**: netpointjuazeiro@gmail.com	
ATI: Weslley Souza	**Responsável/cliente:** Edvan Ednaldo	

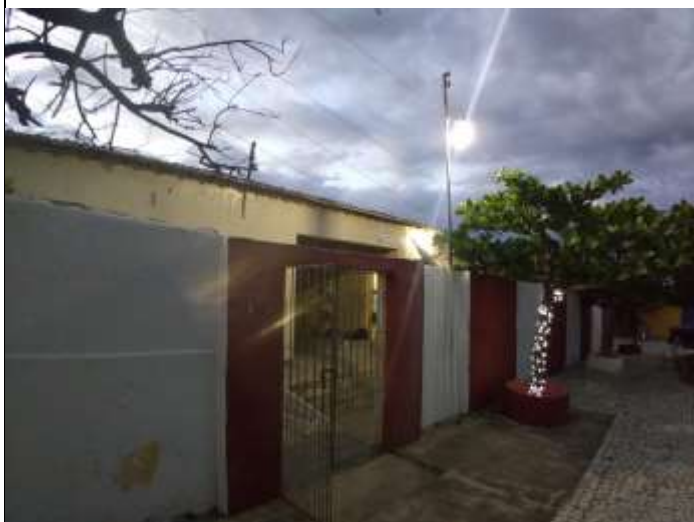| **Orgão:** ATI	**Data Instalação** **26/12/2018**	**Data Ativação** **26/12/2018**
Unidade: Praça Principal (Vila Nova do Piauí)	**Município:** Vila Nova do Piauí	**Coordenadas:** 07°08'34.54"S 40°56'22.66"W

Operadora Global Eagle	**VSAT-ID** ATI-PB-0263-OUT	**Porta kbps** 4M/512k	**Tipo** Outdoor

Piauí, 26 de Dezembro de 2018

1 – Local da Instalação

```
2 – Configurações do Modem

# device show
System Information:
   Name             : ATI-ES-0263-IND
   Location         : Vila Nova do Piauí - PI
   Contact          :
   System Up time   : 0 days, 00:47:36
   CPU Load         : 50%
   System time(UTC) : 26 December 2018 19:45:11
   Broadcast Message : not set


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

MAC addresses:
   LAN              : 00:20:0e:10:58:dd
   Satellite (DVB)  : 00:20:0e:10:58:dd

# 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    : -20.1 dBm
Es/No           : 12.0 dB
Header Compression  : Disabled
Timing correction   : -30 us (249607 us)
Frequency correction: 390 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[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       : 11.628113 GHz
Symbol Rate     : 24.999867 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             : 14.4 dB
Input Power     : -33 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    10.225.4.37 255.255.255.252    10.225.4.39 1540          eth0   1
 3  172.18.137.252 255.255.255.255        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   6729    737    507   1733129   7390    51    0   2850926
 3   6801    0      0    2878943   6541    0     0   1378877
 4    0      0      0      0      0     0     0     0
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute OutDiscards
    14159    870      0       0     13909    563     180      180
```

```
Interface Directed Routing Table
 In If  Out If
   ---------------IP LAC Statistics----------------
  RPF     Src eq dest     RPF HitCount     SrceqdestHitCount     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
  10.225.4.36 255.255.255.252        0.0.0.0  1  LOCAL   ACTIVE
  10.226.19.0   255.255.255.0    10.225.4.38  1  STATIC   ACTIVE
 172.18.137.252 255.255.255.255        0.0.0.0  3  LOCAL   ACTIVE
#
```
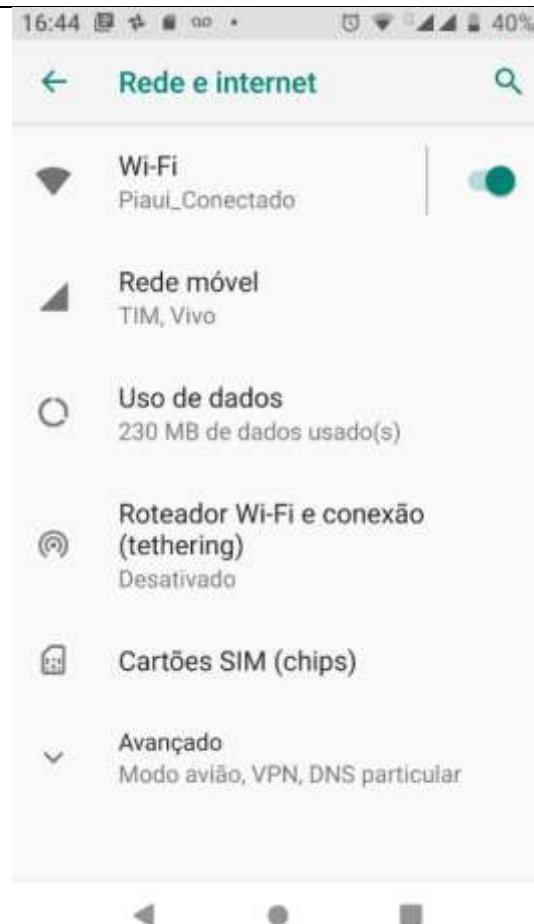
3 – Configurações dos Equipamentos

Configurações de Rede

Configurações	Interfaces	Roteamento Estático	Roteamento Dinâmico	Configurações IPv6	Controle de Banda	H.A.

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
◉	ⓘ eth0	10.225.4.38/30	-	Física	WAN	✎ 🗑
◉	ⓘ eth1	10.226.19.1/24	-	Física	LAN	✎ 🗑
○	ⓘ eth2	-	-	Física	-	✎ 🗑
○	ⓘ eth3	-	-	Física	-	✎ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.4.38  netmask 255.255.255.252  broadcast 10.225.4.39
        ether 00:90:27:ef:70:44  txqueuelen 10000  (Ethernet)
        RX packets 5318  bytes 1556656 (1.4 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 5239  bytes 1222383 (1.1 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 10.226.19.1  netmask 255.255.255.0  broadcast 10.226.19.255
        ether 00:90:27:ef:70:45  txqueuelen 10000  (Ethernet)
        RX packets 8159  bytes 1883403 (1.7 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 10921  bytes 8334583 (7.9 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 91891  bytes 44186911 (42.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 91891  bytes 44186911 (42.1 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
admin  >
```

4 – Teste de Velocidade -Download/Upload