	TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Leonardo Martins Silva	**Técnico Instalador:** Jean Polini **Contato**: 11 97701-2709 **Email**: jeanpolinitelecom@gmail.com
ATI: Weslley Souza	**Responsável/cliente:** JOSE DE FREITAS

Orgão: SEDUC	**Data Instalação** **04/11/2018**	**Data Ativação** **04/11/2018**	
Unidade: Praça Publica	**Município:** Povoado Lagoa do Piripiri	**Coordenadas: 6°47'41.00"S 43°34'11.00"W**	

Operadora Global Eagle	**VSAT-ID** ATI-PB-0182-OUT	**Porta kbps** 4M/256k	**Tipo** Outdoor

Piauí, 04 de Novembro de 2018

1 – Local da Instalação

```
2 – Configurações do Modem

# device show
System Information:
   Name            : ATI-PB-0182-OUT
   Location        : Cidade José de Freitas - PI
   Contact         :
   System Up time    : 0 days, 01:46:51
   CPU Load        : 58%
   System time(UTC)   : 04 November 2018 20:52:11
   Broadcast Message   : not set


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

MAC addresses:
   LAN             : 00:20:0e:10:8a:cf
   Satellite (DVB)    : 00:20:0e:10:8a:cf


# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start      : Enabled
BUPC status     : Disabled
IDU Output Power   : -18 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    : -18.0 dBm
Es/No         : 13.0 dB
Header Compression  : Disabled
Timing correction   : -494 us (250496 us)
Frequency correction: 270 Hz
# dvb rx show


Satellite (DVB) RX Configuration
-------------------------------
Auto start       : Enabled
Max Signalling MODCOD : 23   16APSK-9/10
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        : 11.628079 GHz
Symbol Rate      : 24.999973 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              : 17.4 dB
Input Power      : -24 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                 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
13/18V DC supply             13V


# ip show
Interfaces
If    IPAddress    SubnetMask  BroadCastAddr  MTU        Alias   AdminStatus
 1   10.225.2.225 255.255.255.252   10.225.2.227 1500          eth0   1
 3  172.18.192.235 255.255.255.255        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  111163    1250    456  6964280  225040     59      0 312811466
 3  224166      0      0 313557332   10806      0      0    535402
 4      0      0      0      0      0      0      0      0
IP  Receive  Deliver   Errors InDiscards  Forward  Request  NoRoute OutDiscards
    335967    1713      0       0  235765    1491     332       343
```

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
   10.225.2.224 255.255.255.252   0.0.0.0 1 LOCAL ACTIVE
   10.225.194.0 255.255.255.0   10.225.2.226 1 STATIC ACTIVE
 172.18.192.235 255.255.255.255   0.0.0.0 3 LOCAL ACTIVE
#

3 – Configurações dos Equipamentos

Configurações de Rede

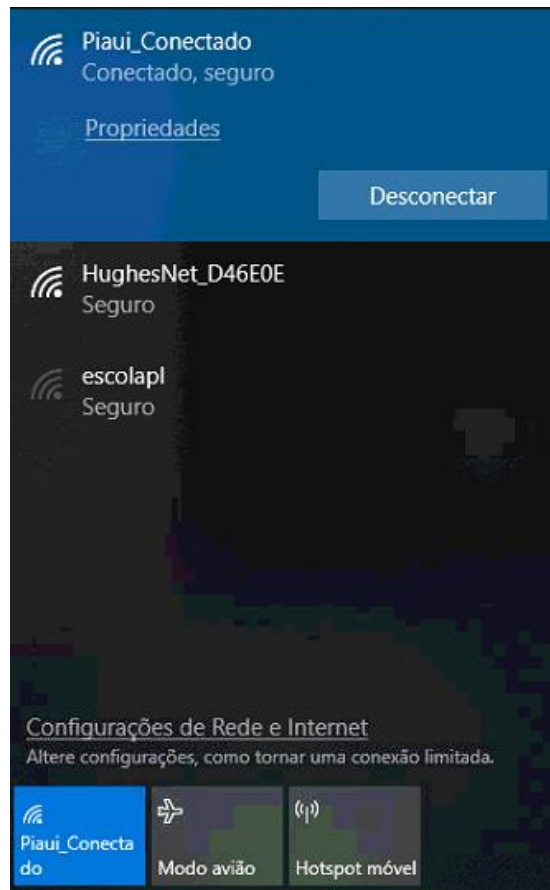| Configurações	Interfaces	Roteamento Estático	Roteamento Dinâmico	Configurações IPv6	Controle de Banda	H.A.

						+ -
Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
◐	ⓘ eth0	10.225.2.226/30	-	Física	WAN	✏ 🗑
◐	ⓘ eth1	10.225.194.1/24	-	Física	LAN	✏ 🗑
◑	ⓘ eth2	-	-	Física	-	✏ 🗑
◑	ⓘ eth3	-	-	Física	-	✏ 🗑

```
COM3 - PuTTY                                    —  □  ×
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.2.226  netmask 255.255.255.252  broadcast 10.225.2.227
        ether 00:90:27:f0:8a:bc  txqueuelen 10000  (Ethernet)
        RX packets 110205  bytes 154330293 (147.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 56763  bytes 3694272 (3.5 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 10.225.194.1  netmask 255.255.255.0  broadcast 10.225.194.255
        ether 00:90:27:f0:8a:bd  txqueuelen 10000  (Ethernet)
        RX packets 6310  bytes 1466190 (1.3 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 11431  bytes 12366254 (11.7 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 471985  bytes 102581655 (97.8 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 471985  bytes 102581655 (97.8 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

admin >
```

4 – Teste de Velocidade -Download/Upload