TERMO DE ACEITE TÉCNICO

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

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ATI: Weslley Souza	**Responsável/cliente:**

Orgão: SEDUC	**Data Instalação** **14/11/2018**		**Data Ativação** **14/11/2018**	
Unidade: Assentamento Paulo Freire	**Município:** Pio IX - PI		**Coordenadas: 6°45'45.00"S 40°41'58.00"W**	
Operadora Global Eagle	**VSAT-ID** ATI-PB-0193-OUT	**Porta kbps** 4M/256k		**Tipo** Indoor

Piauí, 14 de Novembro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name             : ATI-PB-0193-OUT
   Location         : Pio IX - PI
   Contact          :
   System Up time    : 0 days, 00:38:59
   CPU Load          : 39%
   System time(UTC)   : 14 November 2018 15:10:45
   Broadcast Message   : not set


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

MAC addresses:
   Ethernet (LAN)    : 00:20:0e:10:9c:bf
   Satellite (DVB)    : 00:20:0e:10:9c:bf

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start        : Enabled
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            : 12.0 dB
Header Compression  : Disabled
Timing correction   : -265 us (249490 us)
Frequency correction: 380 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        : 11.628091 GHz
Symbol Rate      : 24.999954 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              : 15.2 dB
Input Power      : -36 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
13/18V DC supply            13V


# ip show
Interfaces
If     IPAddress    SubnetMask  BroadCastAddr  MTU       Alias   AdminStatus
 1    10.225.3.13 255.255.255.252   10.225.3.15 1500          eth0   1
 3  172.18.192.249 255.255.255.255       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   1618    707    417    400601    1756    29      0    962716
 3   595     0      0      196398    621     0       0    105090
 4   0       0      0      0         0       0       0      0
IP  Receive  Deliver  Errors  Discards  Forward  Request  NoRoute  Discards
    2675    1625     0       0         990     1487     79       209
```

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
     0.0.0.0   0.0.0.0   0.0.0.0 3 STATIC
   10.225.3.12 255.255.255.252   0.0.0.0 1   LOCAL
   10.225.205.0 255.255.255.0   10.225.3.14 1   STATIC
  172.18.192.249 255.255.255.255   0.0.0.0 3   LOCAL
#

3 – Configurações dos Equipamentos
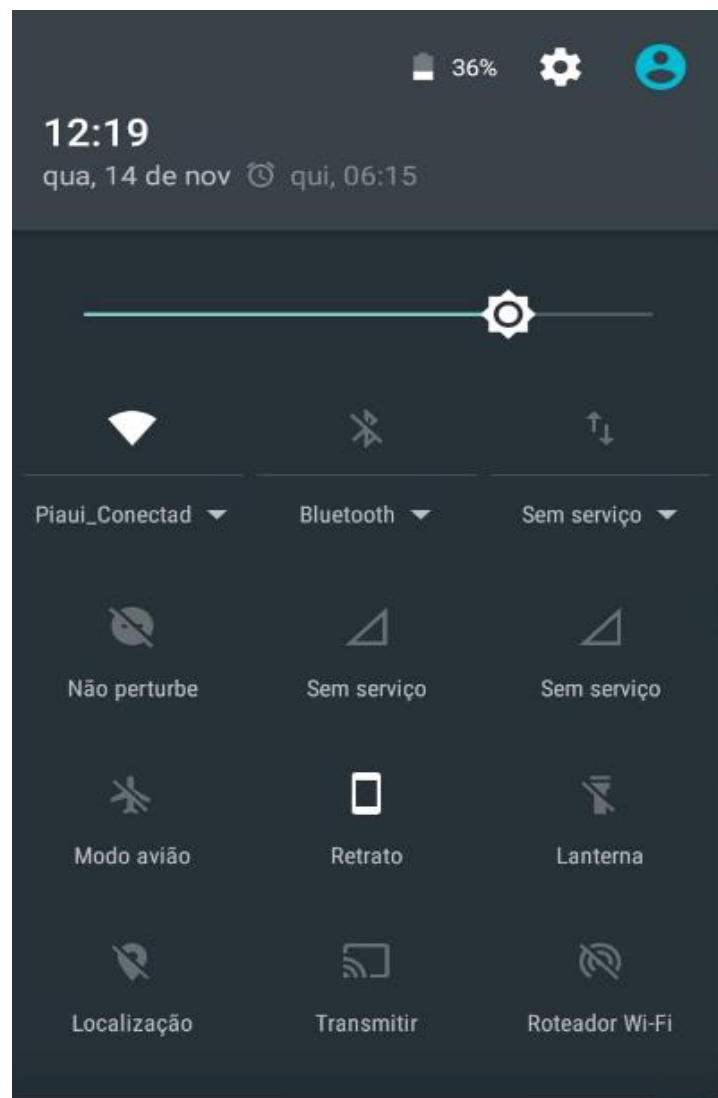
Configurações de Rede

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

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
⬤	ℹ eth0	10.225.3.14/30	-	Física	WAN	✏ 🗑
⬤	ℹ eth1	10.225.205.1/24	-	Física	LAN	✏ 🗑
⬤	ℹ eth2	-	-	Física	-	✏ 🗑
⬤	ℹ eth3	-	-	Física	-	✏ 🗑

```
COM3 - PuTTY                                          —    □    ×

admin  >
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.3.14  netmask 255.255.255.252  broadcast 10.225.3.15
        ether 00:90:27:ef:70:f4  txqueuelen 1000  (Ethernet)
        RX packets 68  bytes 9755 (9.5 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 292  bytes 19158 (18.7 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 10.225.205.1  netmask 255.255.255.0  broadcast 10.225.205.255
        ether 00:90:27:ef:70:f5  txqueuelen 1000  (Ethernet)
        RX packets 3717  bytes 707034 (690.4 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 8463  bytes 10536334 (10.0 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 107203  bytes 45751682 (43.6 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 107203  bytes 45751682 (43.6 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

admin  >
```

4 – Teste de Velocidade -Download/Upload