TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Felipe Freire	**Técnico Instalador:** Fernando Waishman Loureiro **Contato**: 86 99406 0011 **Email**: nando_dantas@hotmail.com
ATI: Weslley Souza	**Responsável/cliente:** Alenilson do Nascimento MElo

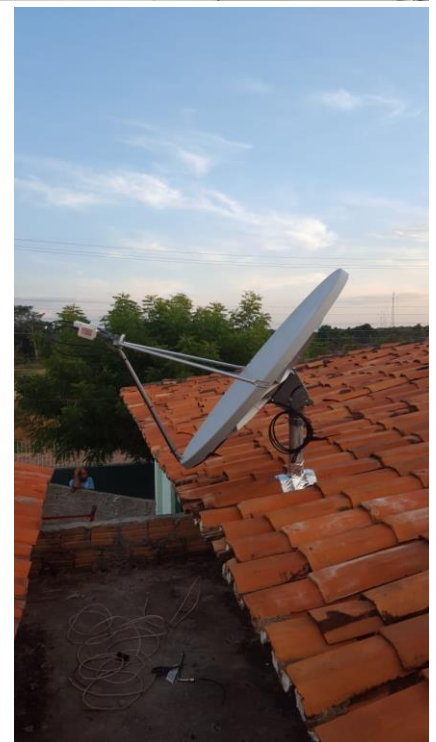| Orgão:		Data	Data Ativação:20/12/2018
Orgão: SEDUC - Secretaria de Estado da Educação		**Data Instalação:20/12/2018**	**Data Ativação:20/12/2018**
Unidade: Unidade Escolar Governador Alberto Tavares e Silva	**Município:** Brasileira	**Coordenadas: 4°7'38.00"S 41°46'50.00"W**	
Operadora: Global Eagle	**VSAT-ID** ATI-ES-0219-IND	**Porta kbps** 1024/256	**Tipo**: Indoor

1 – Local da Instalação:

2 – Configurações do Modem

```
device show
System Information:
   Name          : ATI-ES-0219-IND
   Location      :  Brasileira - PI
   Contact       :
   System Up time     : 0 days, 00:40:45
   CPU Load       : 34%
   System time(UTC)   : 20 December 2018 22:21:01
   Broadcast Message   : not set


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

MAC addresses:
   LAN            : 00:20:0E:10:63:6A
   Satellite (DVB)    : 00:20:0E:10:63:6A


# 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   : -20.1 dBm
Es/No          : 13.7 dB
Header Compression  : Disabled
Timing correction   : 129 us (250072 us)
Frequency correction: 330 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       : 11.628190 GHz
Symbol Rate     : 25.000291 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             : 15.7 dB
Input Power     : -31 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    10.225.3.177 255.255.255.252   10.225.3.120 1500          eth0   1
3   172.18.173.226 255.255.255.255      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   54746    182    99 46505124  60723     53    0 44153539
3   53237      0   2258 46990995  43139     0    273  44668038
4     0     0     0     0     0     0     0     0
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute OutDiscards
```

```
   108148   1890    0     0 106790   2047    89     2390
```

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
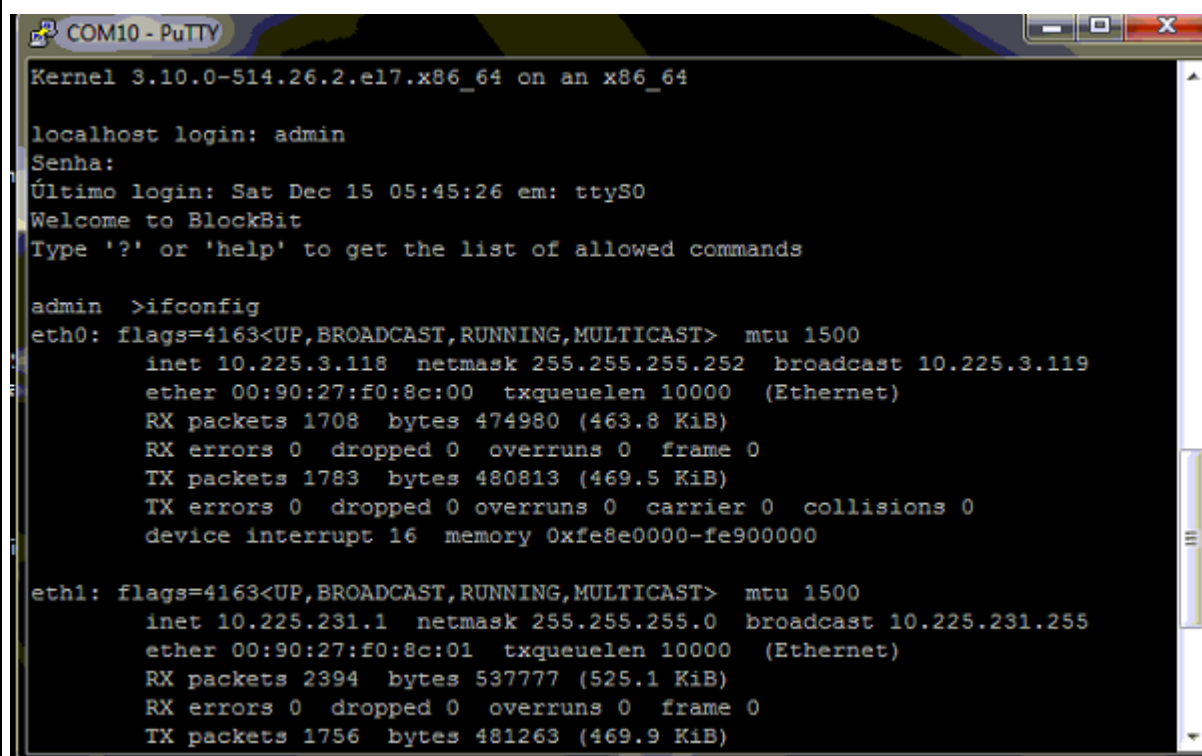

Routing Table
   DestMask   RouteMask   NextHop If RtType Row-Status
   0.0.0.0   0.0.0.0   0.0.0.0 3 STATIC ACTIVE
  10.225.3.117 255.255.255.252   0.0.0.0 1 LOCAL ACTIVE
  10.225.231.0 255.255.255.0   10.225.3.118 1 STATIC ACTIVE
 172.18.137.226 255.255.255.255   0.0.0.0 3 LOCAL ACTIVE

3 – Configuração equipamento :


```
COM10 - PuTTY

Kernel 3.10.0-514.26.2.el7.x86_64 on an x86_64

localhost login: admin
Senha:
Último login: Sat Dec 15 05:45:26 em: ttyS0
Welcome to BlockBit
Type '?' or 'help' to get the list of allowed commands

admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.3.118  netmask 255.255.255.252  broadcast 10.225.3.119
        ether 00:90:27:f0:8c:00  txqueuelen 10000  (Ethernet)
        RX packets 1708  bytes 474980 (463.8 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1783  bytes 480813 (469.5 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 10.225.231.1  netmask 255.255.255.0  broadcast 10.225.231.255
        ether 00:90:27:f0:8c:01  txqueuelen 10000  (Ethernet)
        RX packets 2394  bytes 537777 (525.1 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1756  bytes 481263 (469.9 KiB)
```

Ativado

Piaui_Conectado
Conectado

Graph (Username: ATI-ES-0219-IND)

■ Total FWD IP Rate from NetAcc   ■ RET IP Rate from Netacc