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

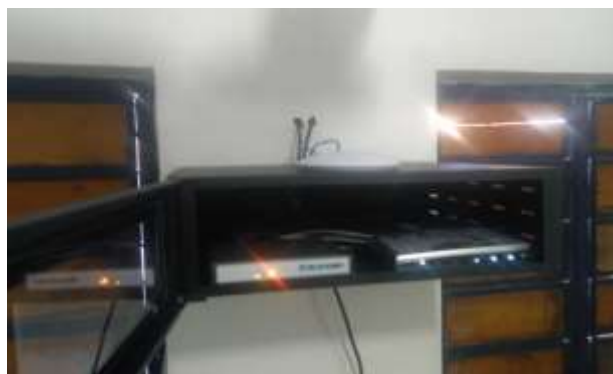|	
NOC/Operadora: Leonardo Martins Silva	**Técnico Instalador:** Jean Polini **Contato**: 11 97701-2709 **Email**: jeanpolinitelecom@gmail.com
ATI:	**Responsável/cliente:** João Crisóstomo bezerra

Orgão: SEDUC	**Unidade:** Unidade Escolar Alencar Mota	**Data Instalação** 07/09/2018	**Data Ativação** 07/09/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0048-IND	**Porta kbps** 1024/256	**Tipo** Indoor

Piauí, 7 de Setembro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name            : ATI-ES-0048-IND
   Location        : PI
   Contact         :
   System Up time    : 0 days, 02:08:49
   CPU Load        : 7%
   System time(UTC)   : 07 September 2018 19:14:41
   Broadcast Message   : not set
HW:
   Model           : SatLink 2000
   HW ID           : 120033
   Main board ID     : 120026 R6.2

MAC addresses:
   Ethernet (LAN)    : 00:20:0e:10:87:a4
   Satellite (DVB)    : 00:20:0e:10:87:a4

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start       : Enabled
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   : -19.9 dBm
Es/No          : 15.0 dB
Header Compression  : Disabled
Timing correction   : -138 us (249594 us)
Frequency correction: 310 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        : 11.628115 GHz
Symbol Rate      : 25.000408 Msps
S2 ModCod
    - receiving  : 1   QPSK-1/4
    - current max : 14   8PSK-3/4
Pilot           : On
Frame length     : Short
DVB S2 Mode      : ACM
DVB S2 Stream type  : MPEG-TS
Roll off         : 0.25
SNR              : 10.3 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    10.225.0.89 255.255.255.252    10.225.0.91 1500          eth0    1
3  172.18.193.238 255.255.255.255        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  209199    41     0  18572058  333382     91     1 441762925
3  333898     0     0  444671603  69031     0     0  8848843
4     0     0     0      0     0     0     0      0
IP  Receive  Deliver  Errors  Discards  Forward  Request  NoRoute  Discards
    543061    347     0       0  402026    525     0       0
```

```
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
  10.225.0.88  255.255.255.252        0.0.0.0  1  LOCAL
  10.225.32.0   255.255.255.0    10.225.0.90  1  STATIC
 172.18.193.238  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
◐	🛈 eth0	10.225.0.90/30	-	Física	WAN	✏ 🗑
◐	🛈 eth1	10.225.32.1/24	-	Física	LAN	✏ 🗑
◑	🛈 eth2	-	-	Física	-	✏ 🗑
◑	🛈 eth3	-	-	Física	-	✏ 🗑

```
Kernel 3.10.0-514.26.2.el7.x86_64 on an x86_64

localhost login:

BLOCKBIT UTM 1.4
34D33E40-043C-11E8-8C0C-F12D1F013576

Kernel 3.10.0-514.26.2.el7.x86_64 on an x86_64

localhost login: admin
Senha:
Último login: Fri Sep  7 15:03:35 a partir de 127.0.0.1
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 10.225.0.90  netmask 255.255.255.252  broadcast 10.225.0.91
        ether 00:90:27:f0:34:32  txqueuelen 10000  (Ethernet)
        RX packets 439194  bytes 543007252 (517.8 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 293938  bytes 86593785 (82.5 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 16  memory 0xfe8a0000-fe900000

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.32.1  netmask 255.255.255.0  broadcast 10.225.32.255
        ether 00:90:27:f0:36:33  txqueuelen 10000  (Ethernet)
        RX packets 201309  bytes 79906938 (76.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 278669  bytes 299667394 (285.7 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 2125350  bytes 429104145 (409.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 2125350  bytes 429104145 (409.2 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```
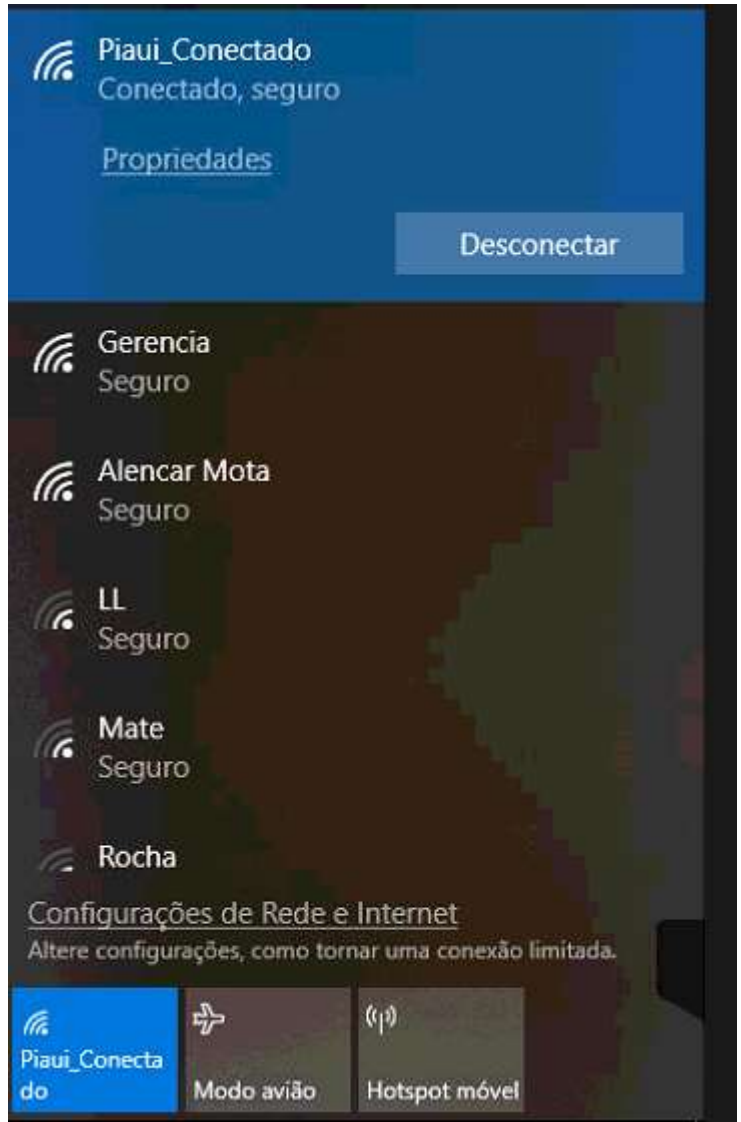
4 – Teste de Velocidade

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