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:** Rayonardo Mendes Barbosa

Orgão: SEDUC	**Data Instalação** **24/11/2018**		**Data Ativação** **24/11/2018**	
Unidade: Publica	**Município:** Valença do Piauí		**Coordenadas: 6°24'32.00"S 41°44'43.00"W**	

Operadora Global Eagle	VSAT-ID ATI-PB-0186-OUT	Porta kbps 4M/256k	Tipo Indoor

Piauí, 24 de Novembro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
    Name            : ATI-PB-0186-OUT
    Location        : Valença do Piauí - PI
    Contact         :
    System Up time  : 0 days, 01:56:53
    CPU Load        : 56%
    System time(UTC)   : 24 November 2018 16:36:24
    Broadcast Message   : not set

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

MAC addresses:
    LAN             : 00:20:0e:10:9b:25
    Satellite (DVB)   : 00:20:0e:10:9b:25

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start        : Enabled
BUPC status       : Disabled
IDU Output Power    : -22 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    : -22.2 dBm
Es/No           : 14.5 dB
Header Compression  : Disabled
Timing correction   : -204 us (249812 us)
Frequency correction: 390 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        : 11.628104 GHz
Symbol Rate      : 24.999889 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              : 16.4 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 NJT5037 (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   10.225.2.241 255.255.255.252   10.225.2.243 1500           eth0   1
 3   172.18.193.50 255.255.255.255        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 239645   2672    1651  84555982 376673      82      0 457256219
 3 355154      0     695 461820274 114066       0      0  74452302
 4      0      0       0         0      0       0       0         0
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute OutDiscards
    596911    7333       0        0    492895     6447     1102       2066
```

```
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
 10.225.2.240  255.255.255.252      0.0.0.0  1  LOCAL  ACTIVE
 10.225.198.0   255.255.255.0   10.225.2.242  1  STATIC  ACTIVE
 172.18.193.50 255.255.255.255      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	10.225.2.242/30	-	Física	WAN	✎ 🗑
⬤	ⓘ eth1	10.225.198.1/24	-	Física	LAN	✎ 🗑
⬤	ⓘ eth2	-	-	Física	-	✎ 🗑
⬤	ⓘ eth3	-	-	Física	-	✎ 🗑

```
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 10.225.2.242  netmask 255.255.255.252  broadcast 10.225.2.243
        ether 00:90:27:f0:86:44  txqueuelen 10000  (Ethernet)
        RX packets 8626  bytes 2595485 (2.4 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 9118  bytes 1914787 (1.8 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 10.225.198.1  netmask 255.255.255.0  broadcast 10.225.198.255
        ether 00:90:27:f0:86:45  txqueuelen 10000  (Ethernet)
        RX packets 12520  bytes 2535121 (2.4 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 16013  bytes 11490721 (10.9 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 74345  bytes 36043622 (34.3 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 74345  bytes 36043622 (34.3 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

admin  >
```

Endereço IP wins Primário

4 – Teste de Velocidade -Download/Upload