TERMO DE ACEITE TÉCNICO

ATI Agência de Tecnologia da Informação do Estado do Piauí

GOVERNO DO PIAUÍ www.pi.gov.br

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

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Orgão: SEDUC	**Unidade:** PIAUI CONECTADO - PRAÇA	**Data Instalação** 06/09/2018	**Data Ativação** 06/09/2018
Operadora Global Eagle	**VSAT-ID** ATI-PB-0109-OUT	**Porta kbps** 1024/256	**Tipo** Outdoor

Piauí, 06 de setembro de 2018

Contrato: 016/2018

1 – Local da Instalação

2 – Configurações do Modem

SatLink 2000

```
- Main board ID 120026, Revision R6.2
- SW ID 120208, Revision 16.0.2 Build 64
# device show
System Information:
   Name            : ATI-PB-0109-OUT
   Location        : PI
   Contact         :
   System Up time  : 0 days, 00:08:46
   CPU Load        : 7%
   System time(UTC)   : 06 September 2018 15:47:46
   Broadcast Message   : not set

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

MAC addresses:
   Ethernet (LAN)  : 00:20:0e:10:86:32
   Satellite (DVB) : 00:20:0e:10:86:32

# 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           : 15.5 dB
Header Compression  : Disabled
Timing correction   : -249 us (249495 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
```
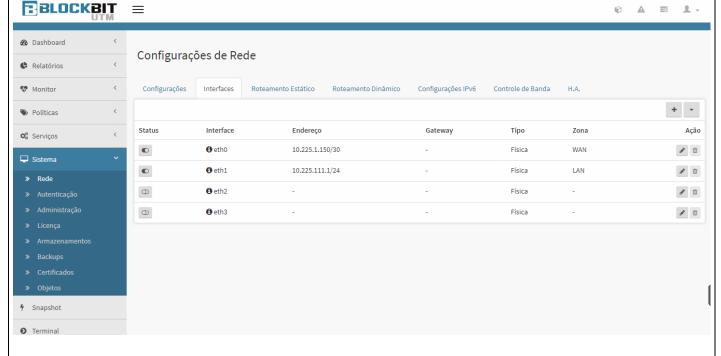
```
Network          : 1326,  ATI-PI
Frequency        : 11.628194 GHz
Symbol Rate      : 25.000127 Msps
S2 ModCod
    - receiving   : 1   QPSK-1/4
    - current max : 14   8PSK-3/4
Pilot            : On
Frame length     : Short
DVB S2 Mode      : ACM
DVB S2 Stream type  : MPEG-TS
Roll off         : 0.25
SNR              : 9.9 dB
Input Power      : -40 dBm
# ip show
Interfaces
If    IPAddress     SubnetMask  BroadCastAddr  MTU        Alias   AdminStatus
1   10.225.1.149 255.255.255.252   10.225.1.151 1500          eth0    1
3  172.18.193.236 255.255.255.255         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   7809     0     4   4154050   8108     8     0   4654865
3   8049     0     0   4666969   7091     0     0   3999413
4     0     0     0     0     0     0     0     0
IP  Receive  Deliver  Errors  Discards  Forward  Request  NoRoute  Discards
    15837    137      0       0    15012    190      0       15


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
  10.225.1.148  255.255.255.252        0.0.0.0  1  LOCAL
  10.225.111.0   255.255.255.0   10.225.1.150  1  STATIC
 172.18.193.236 255.255.255.255        0.0.0.0  3  LOCAL
#
```

3 – Configurações dos Equipamentos

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.1.150  netmask 255.255.255.252  broadcast 10.225.1.151
        ether 00:90:27:f0:2f:2e  txqueuelen 10000  (Ethernet)
        RX packets 7629  bytes 1319481 (1.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 12929  bytes 13697408 (13.0 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 10.225.111.1  netmask 255.255.255.0  broadcast 10.225.111.255
        ether 00:90:27:f0:2f:2f  txqueuelen 10000  (Ethernet)
        RX packets 7011  bytes 1341942 (1.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 9409  bytes 9221910 (8.7 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 17  memory 0xfe9e0000-fea00000
```

BLOCKBIT UTM

- Dashboard
- Relatórios
- Monitor
- Políticas
- Serviços
- Sistema
  - Rede
  - Autenticação
  - Administração
  - Licença
  - Armazenamentos
  - Backups
  - Certificados
  - Objetos
- Snapshot
- Terminal

Configurações de Rede

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

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	eth0	10.225.1.150/30	-	Física	WAN	✏ 🗑
	eth1	10.225.111.1/24	-	Física	LAN	✏ 🗑
	eth2	-	-	Física	-	✏ 🗑
	eth3	-	-	Física	-	✏ 🗑

4 – Teste de Velocidade
Download/Upload

Graph (Username: ATI-PB-0109-OUT)

Legend:
- Total FWD IP Rate from NetAcc (red)
- RET IP Rate from Netacc (orange)

Y-axis: 0 Kbps, 200 Kbps, 400 Kbps, 600 Kbps, 800 Kbps, 1,000 Kbps

X-axis (top): 11:48:30, 11:49, 11:49:30, 11:50, 11:50:30, 11:51, 11:51:30, 11:52

X-axis (bottom): 11:00, 11:10, 11:20, 11:30, 11:40

From: 09-06-2018 11:48 to: 09-06-2018 11:52   Zoom: MAX