TERMO DE ACEITE TÉCNICO

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

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Orgão: ATI	**Unidade:** Centro do Designo	**Data Instalação** 03/10/2018	**Data Ativação** 03/10/2018
Operadora Global Eagle	**VSAT-ID** ATI-PB-0089-OUT	**Porta kbps** 4096/512	**Tipo** Outdoor

Piauí, 03 de outubro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name            : ATI-PB-0089-OUT
   Location        : Miguel Alves - PI
   Contact         :
   System Up time     : 0 days, 01:06:24
   CPU Load        : 27%
   System time(UTC)   : 03 October 2018 17:31:04
   Broadcast Message   : not set

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

MAC addresses:
   LAN             : 00:20:0e:10:85:c4
   Satellite (DVB)     : 00:20:0e:10:85:c4

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start        : Enabled
BUPC status       : Disabled
IDU Output Power    : -16 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    : -16.0 dBm
Es/No           : 13.0 dB
Header Compression  : Disabled
Timing correction   : -157 us (250078 us)
Frequency correction: 300 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       : 11.628142 GHz
Symbol Rate     : 25.000100 Msps
S2 ModCod
   - receiving  : 1   QPSK-1/4
   - current max : 15   8PSK-5/6
Pilot           : On
Frame length    : Short
DVB S2 Mode     : ACM
DVB S2 Stream type  : MPEG-TS
Roll off        : 0.25
SNR             : 12.0 dB
Input Power     : -35 dBm
# arp show


  NetAddr     State  MacAddr         If
    10.225.1.2  Dynamic 00:90:27:f0:31:8e   1
# ip show
Interfaces
If   IPAddress     SubnetMask  BroadCastAddr  MTU       Alias   AdminStatus
1    10.225.1.1 255.255.255.252    10.225.1.3  1500        eth0    1
3   172.18.192.81 255.255.255.255       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   34033    239    129  10296345  23162    61     0  15083568
3   21958     0      0  15145227  31160     0     0  9686150
4    0      0      0      0      0      0      0      0
IP  Receive  Deliver   Errors InDiscards  Forward  Request  NoRoute  OutDiscards
    56109    1237     0      0   54381    1189     66      66


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
   10.225.1.0  255.255.255.252       0.0.0.0  1   LOCAL  ACTIVE
   10.225.74.0   255.255.255.0    10.225.1.2  1  STATIC  ACTIVE
  172.18.192.81  255.255.255.255       0.0.0.0  3   LOCAL  ACTIVE
```
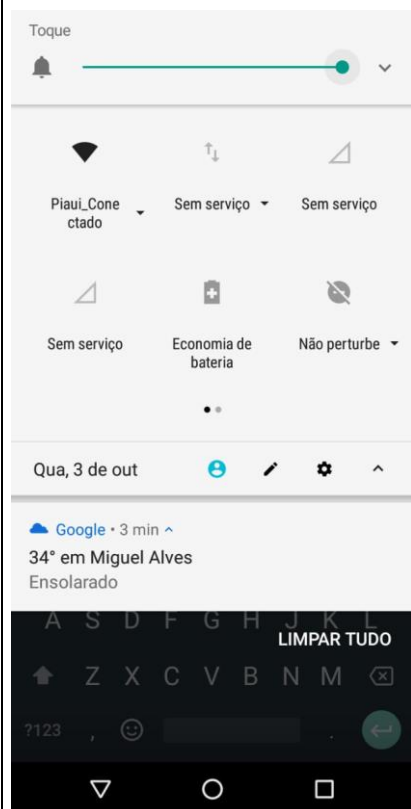
3 – Configurações dos Equipamentos

Configurações de Rede

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

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
◉	ⓘ eth0	10.225.1.2/30	-	Física	WAN	✏️ 🗑️
◉	ⓘ eth1	10.225.74.1/24	-	Física	LAN	✏️ 🗑️
◎	ⓘ eth2	-	-	Física	-	✏️ 🗑️
◎	ⓘ eth3	-	-	Física	-	✏️ 🗑️

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.1.2  netmask 255.255.255.252  broadcast 10.225.1.3
        ether 00:90:27:f0:31:8e  txqueuelen 10000  (Ethernet)
        RX packets 807  bytes 407390 (397.8 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 8194  bytes 1818627 (1.7 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 10.225.74.1  netmask 255.255.255.0  broadcast 10.225.74.255
        ether 00:90:27:f0:31:8f  txqueuelen 10000  (Ethernet)
        RX packets 9833  bytes 2104389 (2.0 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 4705  bytes 5695457 (5.4 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 19458  bytes 19142460 (18.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 19458  bytes 19142460 (18.2 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade -Download/Upload