TERMO DE ACEITE TÉCNICO

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

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Orgão: SEDUC	**Unidade:** ESC. FAMÍLIA AGR. DOM EDILBERTO G. DE OLIVEIRA	**Data Instalação** 10/09/2018	**Data Ativação** 10/09/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0040-IND	**Porta kbps** 1024/256	**Tipo** Indoor

Piauí, 10 de Setembro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name             : ATI-ES-0040-IND
   Location         : PAES LANDIM - PI
   Contact          :
   System Up time   : 0 days, 02:53:51
   CPU Load         : 9%
   System time(UTC) : 11 September 2018 00:42:24
   Broadcast Message : not set

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

MAC addresses:
   Ethernet (LAN)   : 00:20:0e:10:8a:70
   Satellite (DVB)  : 00:20:0e:10:8a:70

# 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    : -19.8 dBm
Es/No            : 16.0 dB
Header Compression  : Disabled
Timing correction   : -29 us (250123 us)
Frequency correction: 170 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
```
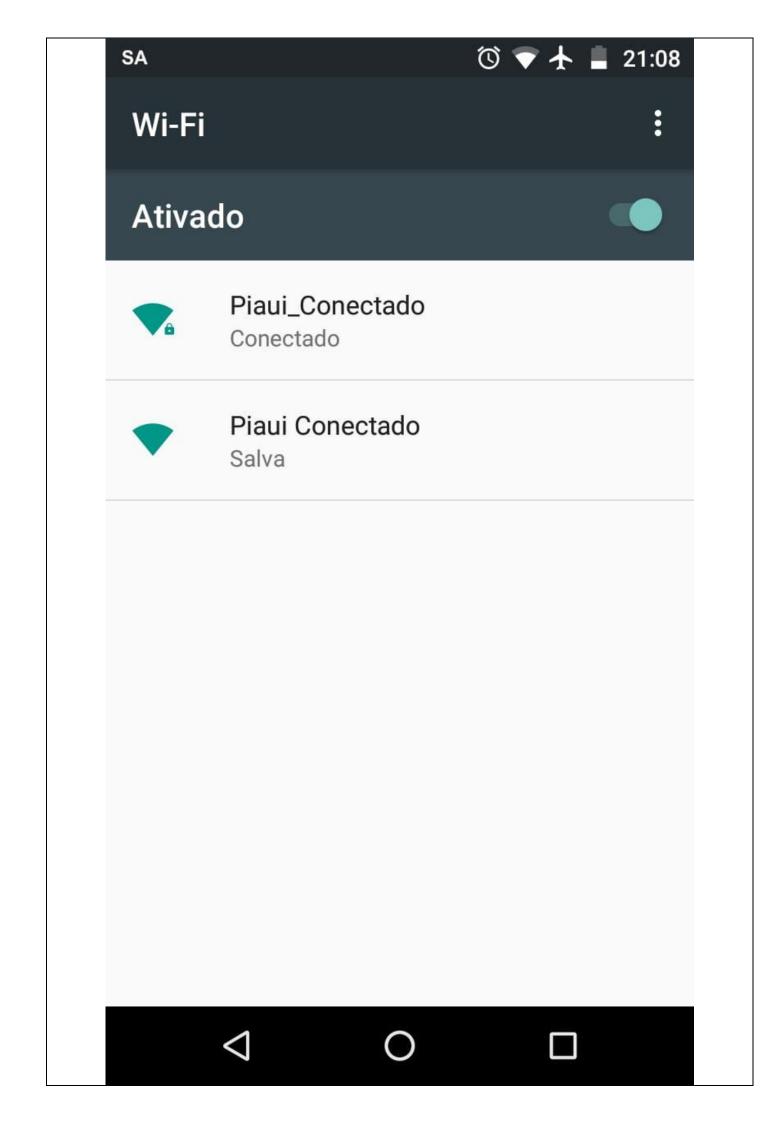
```
DVB State        : Forward link up
Network          : 1326,  ATI-PI
Frequency        : 11.628053 GHz
Symbol Rate      : 24.999823 Msps
S2 ModCod
    - receiving  : 1   QPSK-1/4
    - current max : 15   8PSK-5/6
Pilot          : On
Frame length     : Short
DVB S2 Mode      : ACM
DVB S2 Stream type  : MPEG-TS
Roll off        : 0.25
SNR           : 12.0 dB
Input Power      : -38 dBm
# arp show

  NetAddr      State  MacAddr          If
   10.225.1.34  Dynamic 00:90:27:f0:34:de   1
# ip show
Interfaces
If     IPAddress     SubnetMask  BroadCastAddr  MTU        Alias   AdminStatus
1    10.225.1.33 255.255.255.252    10.225.1.35  1500          eth0    1
3   172.18.193.249 255.255.255.255        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  71532    1    184  41192695   99842    89      0 113159514
3  93248    0    0 114725123   42696    0      0  38167528
4   0    0   0    0    0    0    0     0
IP Receive Deliver  Errors  Discards Forward Request NoRoute  Discards
   164721   282    0     0 142381   394    0     204

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
  10.225.1.32  255.255.255.252      0.0.0.0  1  LOCAL
  10.225.82.0   255.255.255.0    10.225.1.34  1  STATIC
 172.18.193.249 255.255.255.255      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	10.225.1.34/30	-	Física	WAN	✏️ 🗑️
	ⓘ eth1	10.225.82.1/24	-	Física	LAN	✏️ 🗑️
	ⓘ eth2	-	-	Física	-	✏️ 🗑️
	ⓘ eth3	-	-	Física	-	✏️ 🗑️

```
admin  >ifconfig
eth0: flags=4099<UP,BROADCAST,MULTICAST>  mtu 1500
        inet 10.225.1.34  netmask 255.0.0.0  broadcast 10.255.255.255
        ether 00:90:27:f0:34:de  txqueuelen 10000  (Ethernet)
        RX packets 90  bytes 24722 (24.1 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 0  bytes 0 (0.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 16  memory 0xfe8e0000-fe900000

eth1: flags=4099<UP,BROADCAST,MULTICAST>  mtu 1500
        inet 10.225.82.1  netmask 255.0.0.0  broadcast 10.255.255.255
        ether 00:90:27:f0:34:df  txqueuelen 1000  (Ethernet)
        RX packets 0  bytes 0 (0.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 0  bytes 0 (0.0 B)
        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 17225  bytes 12251609 (11.6 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 17225  bytes 12251609 (11.6 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

admin  >
```

Wi-Fi

Ativado

Piaui_Conectado
Conectado

Piaui Conectado
Salva

4 – Teste de Velocidade

Download

Graph (Username: ATI-ES-0040-IND)

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