TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Pedro Bernardes	**Técnico Instalador:** João Carlos Widar **Contato**: 11-96450-8179 **Email**: joao.widar.carlos@gmail.com
ATI: Weslley Souza	**Responsável/cliente:** Fernanda De Souza

Orgão: SEDUC	Unidade: Unidade Escolar São José	Data Instalação 05/10/2018	Data Ativação 05/10/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0132-IND	**Porta kbps** 4096/512	**Tipo** Indoor

Piauí, 05 de outubro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name            : ATI-ES-0132-IND
   Location        : Aroeiras do Itaim -PI
   Contact         :
   System Up time      : 0 days, 00:13:52
   CPU Load         : 16%
   System time(UTC)   : 05 October 2018 14:09:27
   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:fc
   Satellite (DVB)    : 00:20:0e:10:85:fc


# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start       : Enabled
BUPC status       : Disabled
IDU Output Power    : -18 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    : -18.2 dBm
Es/No           : 14.0 dB
Header Compression   : Disabled
Timing correction   : -232 us (249830 us)
Frequency correction: 310 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       : 11.628138 GHz
Symbol Rate     : 25.000196 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             : 11.3 dB
Input Power     : -35 dBm
# arp show

  NetAddr      State  MacAddr          If
  10.225.1.242  Dynamic 00:90:27:f0:8a:b0   1
# ip show
Interfaces
If    IPAddress     SubnetMask  BroadCastAddr  MTU       Alias  AdminStatus
1   10.225.1.241 255.255.255.252   10.225.1.243  1500        eth0   1
3   172.18.192.113 255.255.255.255       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    5099    168     89    625310    9604    14      0   6674284
3    3070     0      0    2785723   1492     0      0   137146
4     0      0      0      0       0      0      0      0
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute  OutDiscards
    8328    5048      0      0     11127    8526     28      53

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
  10.225.1.240  255.255.255.252      0.0.0.0  1  LOCAL   ACTIVE
  10.225.134.0   255.255.255.0   10.225.1.242  1  STATIC  ACTIVE
 172.18.192.113 255.255.255.255      0.0.0.0  3  LOCAL   ACTIVE
```
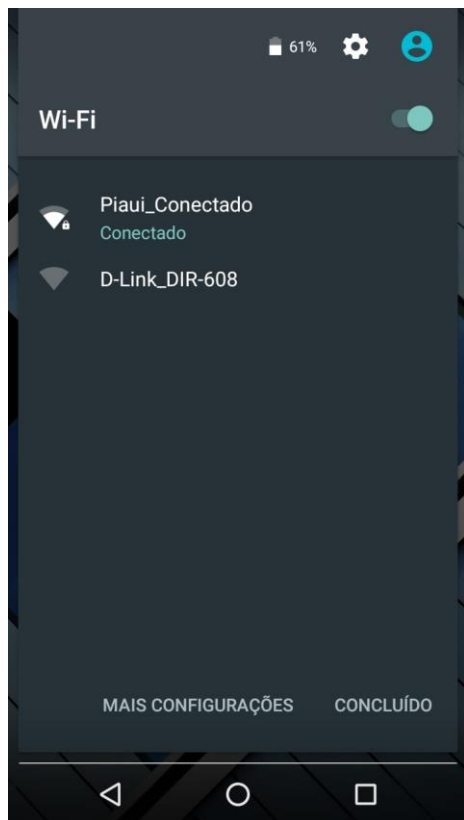
3 – Configurações dos Equipamentos

Configurações de Rede

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

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
◐	ⓘ eth0	10.225.1.242/30	-	Física	WAN	✏ 🗑
◐	ⓘ eth1	10.225.134.1/24	-	Física	LAN	✏ 🗑
◯	ⓘ eth2	-	-	Física	-	✏ 🗑
◯	ⓘ eth3	-	-	Física	-	✏ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.1.242  netmask 255.255.255.252  broadcast 10.225.1.243
        ether 00:90:27:f0:8a:b0  txqueuelen 10000  (Ethernet)
        RX packets 2992  bytes 446463 (435.9 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 3897  bytes 838180 (818.5 KiB)
        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 10.225.134.1  netmask 255.255.255.0  broadcast 10.225.134.255
        ether 00:90:27:f0:8a:b1  txqueuelen 10000  (Ethernet)
        RX packets 5760  bytes 1156698 (1.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 7619  bytes 5816451 (5.5 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 33829  bytes 30090163 (28.6 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 33829  bytes 30090163 (28.6 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade -Download/Upload