TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Pedro Bernardes	**Técnico Instalador:** Fernando Dantas **Contato**: (86) 99406-0011 **Email**: nando_dantas@hotmail.com
ATI: Weslley Souza	**Responsável/cliente:** Valdir Alves da Costa

Orgão: SEDUC	Unidade: Unidade Escolar Dirceu Arcoverde	Data Instalação 20/12/2018	Data Ativação 20/12/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0217-IND	**Porta kbps** 4096/512	**Tipo** Indoor

Piauí, 20 de dezembro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
    Name            : ATI-ES-0217-IND
    Location        : BATALHA - PI
    Contact         :
    System Up time  : 0 days, 01:59:52
    CPU Load        : 28%
    System time(UTC) : 20 December 2018 16:03:24
    Broadcast Message : not set


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

MAC addresses:
    LAN             : 00:20:0e:10:60:5c
    Satellite (DVB) : 00:20:0e:10:60:5c

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start          : Enabled
BUPC status         : Disabled
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    : -20.2 dBm
Es/No           : 15.0 dB
Header Compression  : Disabled
Timing correction   : -195 us (249761 us)
Frequency correction: 330 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       : 11.628147 GHz
Symbol Rate     : 24.999584 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             : 15.9 dB
Input Power     : -32 dBm


# arp show

  NetAddr      State  MacAddr          If
  10.225.3.110  Dynamic 00:13:3b:8b:45:47   1
# ip show
Interfaces
If    IPAddress    SubnetMask  BroadCastAddr  MTU       Alias  AdminStatus
1   10.225.3.109 255.255.255.252   10.225.3.111 1500         eth0   1
3  172.18.137.224 255.255.255.255        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   68899    452    1177   16072730   31430    81     0   12775421
3   33774    0     442   12885245   68793    0     0   14974510
4    0      0     0      0      0     0     0      0
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute  OutDiscards
   102903   5851    0      0   102226   6301    50     2048


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
  10.225.3.108  255.255.255.252       0.0.0.0  1  LOCAL  ACTIVE
  10.225.229.0   255.255.255.0   10.225.3.110  1  STATIC  ACTIVE
 172.18.137.224  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
⬤	ℹ eth0	10.225.3.110/30	-	Física	WAN	✏ 🗑
⬤	ℹ eth1	10.225.229.1/24	-	Física	LAN	✏ 🗑
◯	ℹ eth2	-	-	Física	-	✏ 🗑
◯	ℹ eth3	-	-	Física	-	✏ 🗑

```
admin   >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.3.110  netmask 255.255.255.252  broadcast 10.225.3.111
        ether 00:90:27:ef:6f:50  txqueuelen 10000  (Ethernet)
        RX packets 8486  bytes 957185 (934.7 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 20234  bytes 5742460 (5.4 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 10.225.229.1  netmask 255.255.255.0  broadcast 10.225.229.255
        ether 00:90:27:ef:6f:51  txqueuelen 10000  (Ethernet)
        RX packets 23640  bytes 6219540 (5.9 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 13504  bytes 7285947 (6.9 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 41622  bytes 23279000 (22.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 41622  bytes 23279000 (22.2 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade -Download/Upload