TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Pedro Bernardes	**Técnico Instalador:** OSVALDO COSTA OLIVEIRA **Contato**: 86 9 9802 4522 **Email**: costa-osvaldo@hotmail.com
ATI: Weslley Souza	**Responsável/cliente:** Elizany Vaz e Silva Cruz

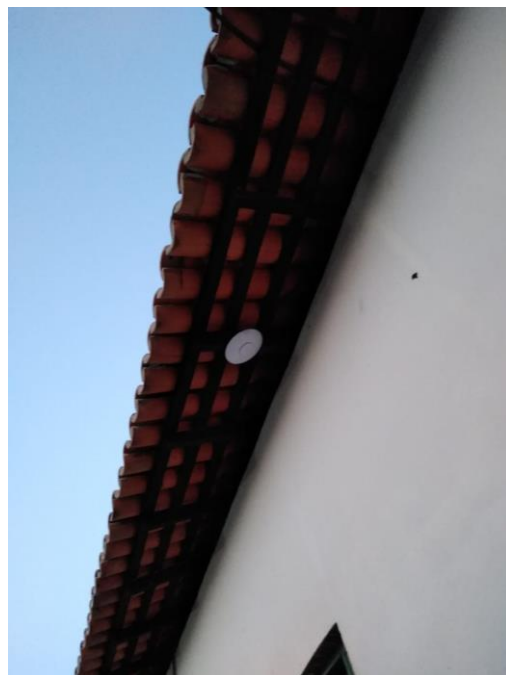| **Orgão:** SEDUC	**Unidade:** UAPI - Universidade Aberta do Brasil (Miguel Alves)		**Data Instalação** 04/10/2018	**Data Ativação** 04/10/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0097-IND		**Porta kbps** 4096/512	**Tipo** Indoor

Piauí, 04 de outubro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name            : ATI-ES-0097-IND
   Location        : Miguel Alves -PI
   Contact         :
   System Up time  : 0 days, 00:27:32
   CPU Load        : 27%
   System time(UTC): 04 October 2018 19:35:40
   Broadcast Message : not set


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

MAC addresses:
   LAN             : 00:20:0e:10:87:bd
   Satellite (DVB) : 00:20:0e:10:87:bd

# 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    : -20.1 dBm
Es/No          : 14.5 dB
Header Compression  : Disabled
Timing correction   : -77 us (250056 us)
Frequency correction: 320 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       : 11.628121 GHz
Symbol Rate     : 25.000228 Msps
S2 ModCod
    - receiving  : 14   8PSK-3/4
    - 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             : 11.9 dB
Input Power     : -38 dBm
# arp show

  NetAddr      State  MacAddr          If
  10.225.0.226  Dynamic ec:f4:bb:fb:46:15   1
# ip show
Interfaces
If     IPAddress     SubnetMask  BroadCastAddr  MTU       Alias   AdminStatus
1   10.225.0.225 255.255.255.252   10.225.0.227 1500          eth0   1
3   172.18.192.108 255.255.255.255       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   19682    94     81  4407709   8440     29     1  1370588
3   9522      0     24  1480648  21281      0     0  4271352
4   0         0      0        0      0      0     0        0
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute OutDiscards
    29239    1742       0        0    29801    1810     4       47

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
  10.225.0.224 255.255.255.252       0.0.0.0  1  LOCAL   ACTIVE
   10.225.66.0   255.255.255.0   10.225.0.226  1  STATIC  ACTIVE
 172.18.192.108  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
◐	❶ eth0	10.225.0.226/30	-	Física	WAN	✏ 🗑
◐	❶ eth1	10.225.66.1/24	-	Física	LAN	✏ 🗑
◑	❶ eth2	-	-	Física	-	✏ 🗑
◑	❶ eth3	-	-	Física	-	✏ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.0.226  netmask 255.255.255.252  broadcast 10.225.0.227
        ether 00:90:27:f0:31:02  txqueuelen 10000  (Ethernet)
        RX packets 8642  bytes 1482980 (1.4 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 19845  bytes 4507667 (4.2 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 10.225.66.1  netmask 255.255.255.0  broadcast 10.225.66.255
        ether 00:90:27:f0:31:03  txqueuelen 10000  (Ethernet)
        RX packets 21513  bytes 4811969 (4.5 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 12366  bytes 6752744 (6.4 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 20121  bytes 21585586 (20.5 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 20121  bytes 21585586 (20.5 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade -Download/Upload