ati — Agência de Tecnologia da Informação do Estado do Piauí / GOVERNO DO PIAUÍ — www.pi.gov.br	# TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Guilherme Cunha	**Técnico Instalador:** Marcos Antonio dos Santos **Contato**: 11 986829171 **Email**: marcostorre2017@gmail.com
ATI: Weslley Souza	**Responsável/cliente:**

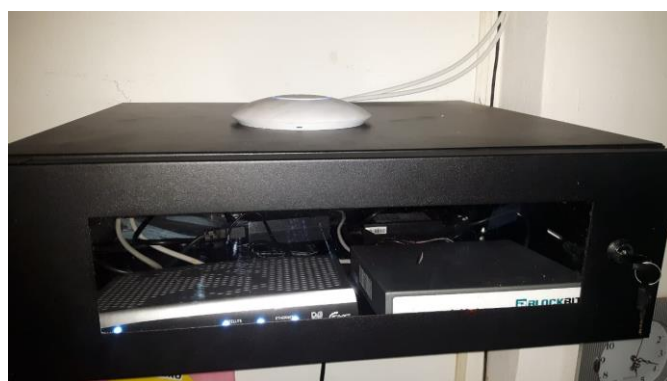| **Orgão:** SEDUC	**Data Instalação** 30/10/2018		**Data Ativação** 30/10/2018	
Unidade: Unidade Escolar Municipal Claro Lima	**Município:** Francisco Ayres		**Coordenadas:** 06°37'16.28''S 42°41'34.01''W	
Operadora Global Eagle	**VSAT-ID** ATI-ES-0162-IND		**Porta kbps** 1024/256	**Tipo** Indoor

Piauí, 30 de outubro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name          : ATI-ES-0162-IND
   Location      : PI
   Contact       :
   System Up time    : 0 days, 10:05:27
```

```
  CPU Load        : 13%
  System time(UTC)  : 31 October 2018 07:15:19
  Broadcast Message  : not set

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

MAC addresses:
  LAN            : 00:20:0e:10:9a:fd
  Satellite (DVB)   : 00:20:0e:10:9a:fd

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start       : Enabled
BUPC status      : Disabled
IDU Output Power   : -17 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   : -17.0 dBm
Es/No          : 14.0 dB
Header Compression  : Disabled
Timing correction   : -105 us (250163 us)
Frequency correction: 100 Hz
# dvb rx show

Satellite (DVB) RX Configuration
-------------------------------
Auto start       : Enabled
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        : 11.628070 GHz
Symbol Rate      : 24.999889 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              : 17.6 dB
Input Power      : -35 dBm
# arp show

  NetAddr       State  MacAddr        If
  10.225.2.146  Dynamic 00:90:27:f0:85:04   1
# ip show
Interfaces
If    IPAddress     SubnetMask  BroadCastAddr  MTU       Alias   AdminStatus
 1   10.225.2.145 255.255.255.252   10.225.2.147  1500         eth0   1
 3   172.18.192.93 255.255.255.255       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 108056    1    3384  81516086  135916    305    0  42985615
 3  63558    0    321  26818653  78619    0    0  77619545
 4    0    0    0     0    0    0    0    0
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute OutDiscards
   170424   16043    0     0  217528  52467    0    3728

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
  10.225.2.144  255.255.255.252       0.0.0.0  1  LOCAL  ACTIVE
  10.225.174.0   255.255.255.0   10.225.2.146  1  STATIC  ACTIVE
  172.18.192.93 255.255.255.255       0.0.0.0  3  LOCAL  ACTIVE#
```

3 – Configurações dos Equipamentos

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.2.146  netmask 255.255.255.252  broadcast 10.225.2.147
        ether 00:90:27:f0:85:04  txqueuelen 10000  (Ethernet)
        RX packets 132544  bytes 43198687 (41.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 104278  bytes 77126287 (73.5 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 10.225.174.1  netmask 255.255.255.0  broadcast 10.225.174.255
        ether 00:90:27:f0:85:05  txqueuelen 10000  (Ethernet)
        RX packets 108528  bytes 77629572 (74.0 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 132337  bytes 43185329 (41.1 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 169617  bytes 124162183 (118.4 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 169617  bytes 124162183 (118.4 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

admin  >
```

Ativado

Piaui_Conectado
Conectado

MARCOS

EMCL

4 – Teste de Velocidade -Download/Upload

Graph (Username: ATI-ES-0162-IND)

■ Total FWD IP Rate from NetAcc   ■ RET IP Rate from Netacc