TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Jefferson Marques

Técnico Instalador: Jean Polini
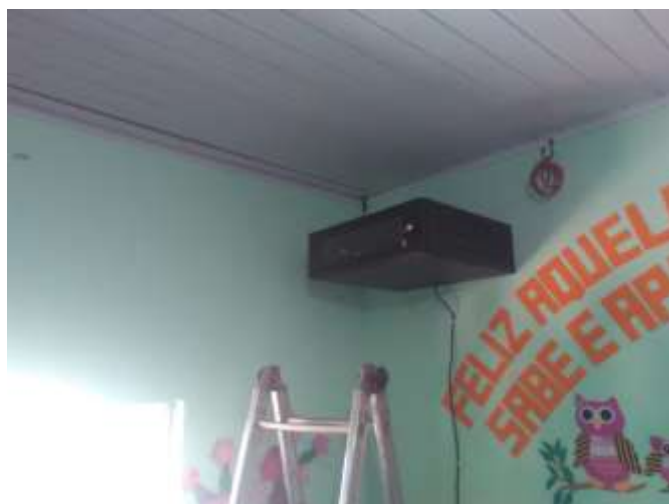**Contato**: 11 97701-2709
Email: jeanpolinitelecom@gmail.com

ATI: Weslley Souza

Responsável/cliente: Carla Patricia de Sousa

Orgão: SEDUC	**Unidade:** Seduc – Vazea Grande PI	**Data Instalação** 18/09/2018	**Data Ativação** 20/09/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0047-IND	**Porta kbps** 4096/512	**Tipo** Indoor

Piauí, 20 de setembro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name          : ATI-ES-0047-IND
   Location       : VARZEA GRANDE PI
   Contact        :
   System Up time    : 0 days, 00:50:19
   CPU Load       : 34%
   System time(UTC)   : 20 September 2018 14:01:02
   Broadcast Message   : not set


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


MAC addresses:
   Ethernet (LAN)     : 00:20:0e:10:8c:c3
   Satellite (DVB)    : 00:20:0e:10:8c:c3


# 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           : 14.5 dB
Header Compression  : Disabled
Timing correction   : -299 us (249997 us)
Frequency correction: 230 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        : 11.628125 GHz
Symbol Rate       : 24.999924 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           : 11.3 dB
Input Power       : -37 dBm
# arp show
```

```
   NetAddr     State  MacAddr         If
   10.225.0.62  Dynamic 00:0b:ab:f5:c9:62   1
# ip show
Interfaces
If   IPAddress    SubnetMask  BroadCastAddr  MTU      Alias  AdminStatus
1    10.225.0.61 255.255.255.252   10.225.0.63 1500          eth0   1
3    172.18.192.37 255.255.255.255       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  166167    10   1373  63812278 332013    28     0  438779470
3  325598     0     0  447340706  66405     0     0  56202143
4    0       0     0     0     0     0     0      0
IP  Receive Deliver  Errors  Discards Forward  Request  NoRoute  Discards
   491696   160     4      0  399587   262     1    1480


Interface Directed Routing Table
 In If  Out If


   ---------------IP LAC Statistics----------------
   RPF    Src eq dest    RPF HitCount    SrceqdestHitCount    MfcHitCount (-1/drop classified)
# device show
System Information:
   Name         : ATI-ES-0047-IND
   Location     : VARZEA GRANDE PI
   Contact      :
   System Up time    : 0 days, 00:50:19
   CPU Load      : 34%
   System time(UTC)   : 20 September 2018 14:01:02
   Broadcast Message  : not set

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Default CW Frequency: 0.000000 GHz
ATM mode        : VC-Mux
Header Compression  : None


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   - 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             : 11.3 dB
Input Power     : -37 dBm
# arp show

  NetAddr      State  MacAddr        If
  10.225.0.62  Dynamic 00:0b:ab:f5:c9:62  1
# ip show
Interfaces
If   IPAddress     SubnetMask    BroadCastAddr  MTU      Alias  AdminStatus
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Interface Directed Routing Table
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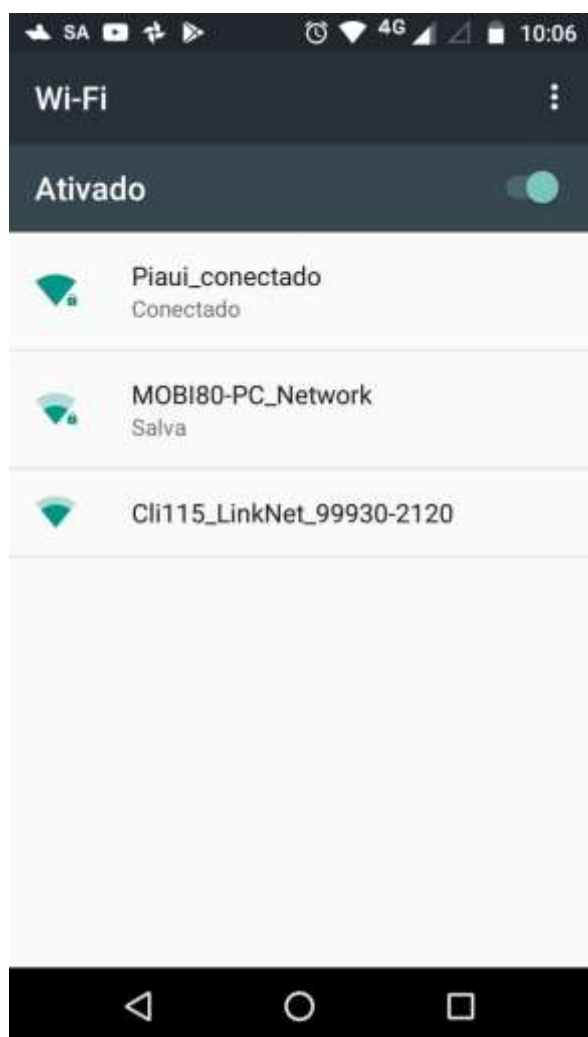
3 – Configurações dos Equipamentos

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	10.225.0.62/30	-	Física	WAN	✏ 🗑
◐	❶ eth1	10.225.25.1/24	-	Física	LAN	✏ 🗑
◑	❶ eth2	-	-	Física	-	✏ 🗑
◑	❶ eth3	-	-	Física	-	✏ 🗑

```
admin   >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>   mtu 1500
        inet 10.225.0.62   netmask 255.255.255.252   broadcast 10.225.0.63
        ether 00:0b:ab:f5:c9:62   txqueuelen 10000   (Ethernet)
        RX packets 181164  bytes 251008600 (239.3 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 92695  bytes 5061731 (4.8 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device memory 0xd0900000-d091ffff

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>   mtu 1500
        inet 10.225.25.1   netmask 255.255.255.0   broadcast 10.225.25.255
        ether 00:0b:ab:f5:c9:63   txqueuelen 10000   (Ethernet)
        RX packets 6919  bytes 1553962 (1.4 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 13223  bytes 15186864 (14.4 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device memory 0xd0800000-d081ffff
```

Wi-Fi

Ativado

Piaui_conectado
Conectado

MOBI80-PC_Network
Salva

Cli115_LinkNet_99930-2120

4 – Teste de Velocidade -Download/Upload

Graph (Username: ATI-ES-0047-IND)

Total FWD IP Rate from NetAc4,081.83   RET IP Rate from Netacc   485.97

4,000 Kbps

3,500 Kbps

3,000 Kbps

2,500 Kbps

2,000 Kbps

1,500 Kbps

1,000 Kbps

500 Kbps

0 Kbps

11:00:28   11:01   11:02   11:03   11:04   11:05

10:10   10:20   10:30   10:40   10:50

From: 09-20-2018 11:0 to: 09-20-2018 11:0   Zoom: MAX