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

NOC/Operadora: Pedro Bernardes	**Técnico Instalador:** Jean Polini **Contato**: 11 97701-2709 **Email**: jeanpolinitelecom@gmail.com	
ATI: Weslley Souza	**Responsável/cliente:** Glaucio Torres	

Orgão: SESAPI	Unidade: UBS - Unidade Básica de Saúde	Data Instalação 09/10/2018	Data Ativação 09/10/2018
Operadora Global Eagle	**VSAT-ID** ATI-OU-0181-IND	**Porta kbps** 4096/512	**Tipo** Indoor

Piauí, 09 de outubro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name            : ATI-OU-0181-IND
   Location        : Marcos Parente -PI
   Contact         :
   System Up time     : 0 days, 21:12:06
   CPU Load        : 33%
   System time(UTC)   : 10 October 2018 17:48:35
   Broadcast Message   : not set


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


MAC addresses:
   LAN             : 00:20:0e:10:9b:45
   Satellite (DVB)    : 00:20:0e:10:9b:45


# 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    : -19.8 dBm
Es/No             : 14.5 dB
Header Compression  : Disabled
Timing correction   : -3 us (250644 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       : 11.628098 GHz
Symbol Rate     : 25.000319 Msps
S2 ModCod
    - receiving   : 1   QPSK-1/4
    - current max : 16   8PSK-8/9
Pilot           : On
Frame length    : Short
DVB S2 Mode     : ACM
DVB S2 Stream type  : MPEG-TS
Roll off        : 0.25
SNR             : 14.8 dB
Input Power     : -36 dBm
# arp show

  NetAddr      State  MacAddr          If
   10.225.1.30  Pending 00:00:00:00:00:00  1
# ip show
Interfaces
If   IPAddress     SubnetMask  BroadCastAddr  MTU       Alias  AdminStatus
1    10.225.1.29 255.255.255.252    10.225.1.31 1500          eth0   1
3  172.18.192.143 255.255.255.255        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  10418   254    131  3315230   9816    53     0  2144995
3  10270    0     11  2220803   11839    0     0  3210476
4    0     0     0     0     0     0     0     0
IP  Receive Deliver  Errors InDiscards Forward Request NoRoute OutDiscards
   20884   1643    0      0  21880   1655    88    145

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
   10.225.1.28  255.255.255.252        0.0.0.0  1  LOCAL  ACTIVE
   10.225.81.0   255.255.255.0    10.225.1.30  1  STATIC  ACTIVE
 172.18.192.143  255.255.255.255        0.0.0.0  3  LOCAL  ACTIVE
```

3 – Configurações dos Equipamentos
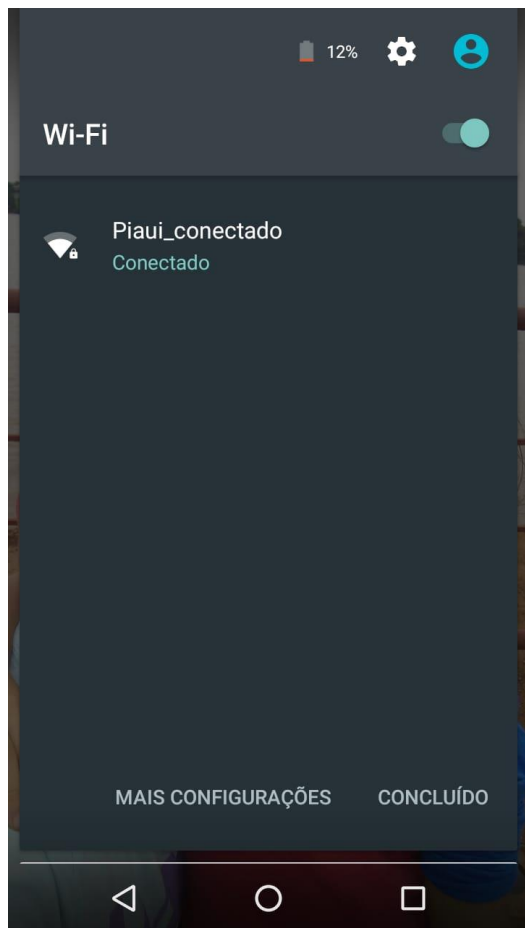
Configurações de Rede

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

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
⬤	ⓘ eth0	10.225.1.30/30	-	Física	WAN	✏️ 🗑️
⬤	ⓘ eth1	10.225.81.1/24	-	Física	LAN	✏️ 🗑️
◯	ⓘ eth2	-	-	Física	-	✏️ 🗑️
◯	ⓘ eth3	-	-	Física	-	✏️ 🗑️

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.1.30  netmask 255.255.255.252  broadcast 10.225.1.31
        ether 00:90:27:ef:70:34  txqueuelen 10000  (Ethernet)
        RX packets 7933  bytes 1825618 (1.7 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 8309  bytes 2954585 (2.8 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 10.225.81.1  netmask 255.255.255.0  broadcast 10.225.81.255
        ether 00:90:27:ef:70:35  txqueuelen 10000  (Ethernet)
        RX packets 11304  bytes 3337316 (3.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 11837  bytes 7113369 (6.7 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 24723  bytes 20871337 (19.9 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 24723  bytes 20871337 (19.9 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade -Download/Upload