TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Leonardo Martins Silva	**Técnico Instalador:** Claudinei Silva **Contato**: 11 96577-9767 **Email**: claudnei@telecomtorre.com.br
	Responsável/cliente: Simplício dos Santos Rocha Júnior

Orgão: SEDUC	**Unidade:** Escolar Familia Agricola de Elizeu Martins	**Data Instalação** 27/10/2018	**Data Ativação** 27/10/2018
Operadora Global Eagle	**VSAT-ID** **ATI-ES-0174-IND**	**Porta kbps** 4M/256k	**Tipo** Indoor

Piauí, 27 de Outubro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name           : ATI-ES-0174-IND
   Location       : Eliseu Martins - PI
   Contact        :
   System Up time     : 0 days, 02:42:11
   CPU Load       : 41%
   System time(UTC)   : 27 October 2018 17:03:35
   Broadcast Message   : not set


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


MAC addresses:
   LAN            : 00:20:0e:10:89:45
   Satellite (DVB)    : 00:20:0e:10:89:45

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start       : Enabled
BUPC status      : Disabled
IDU Output Power   : -18 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   : -18.2 dBm
Es/No         : 13.0 dB
Header Compression  : Disabled
Timing correction   : -186 us (250654 us)
Frequency correction: 380 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       : 11.628160 GHz
Symbol Rate     : 25.000332 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             : 17.3 dB
Input Power     : -32 dBm
# odu show


Antenna
--------------------
Type                ASC/Andrew/Channel Master Type 123 - 1.2m
Antenna controller          None
Tx Gain             43.3dB


Transmitter (BUC)
-------------------------------
Type                JRC NJT5017 (14.0-14.5 GHz)
Local oscillator        13.050000 GHz
DC supply           24V On
Reference           10Mhz On


Receiver (LNB)
----------------------------
Type                SatLink 403x (10.70-12.75 GHz)
Local oscillator - LO1      9.750000 GHz
Local oscillator - LO2      10.600000 GHz
Oscillator switching frequency 1-2  11.700000 GHz
LO Switching mode           22KHz
13/18V DC supply            13V


# ip show
Interfaces
If    IPAddress     SubnetMask  BroadCastAddr  MTU        Alias  AdminStatus
1   10.225.2.193 255.255.255.252   10.225.2.195  1500           eth0   1
3   172.18.192.221 255.255.255.255        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  146254    697    312  60509601 267015    122     0 329474246
3  253391     0      0 331182964  61244     0      0 54487224
4    0      0      0      0      0      0      0      0
```

```
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute OutDiscards
   400261    1485     0        0 328612   1344     149       149


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
  10.225.2.192 255.255.255.252       0.0.0.0  1   LOCAL  ACTIVE
  10.225.186.0   255.255.255.0   10.225.2.194  1  STATIC  ACTIVE
 172.18.192.221 255.255.255.255       0.0.0.0  3   LOCAL  ACTIVE
#
```

```
COM5 - PuTTY

admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.2.194  netmask 255.255.255.252  broadcast 10.225.2.195
        ether 00:90:27:f0:30:9e  txqueuelen 10000  (Ethernet)
        RX packets 14198  bytes 2073641 (1.9 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 45572  bytes 60736115 (57.9 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 10.225.186.1  netmask 255.255.255.0  broadcast 10.225.186.255
        ether 00:90:27:f0:30:9f  txqueuelen 10000  (Ethernet)
        RX packets 6692  bytes 1391734 (1.3 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 10702  bytes 11284341 (10.7 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 820812  bytes 133550877 (127.3 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 820812  bytes 133550877 (127.3 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

admin  >
```
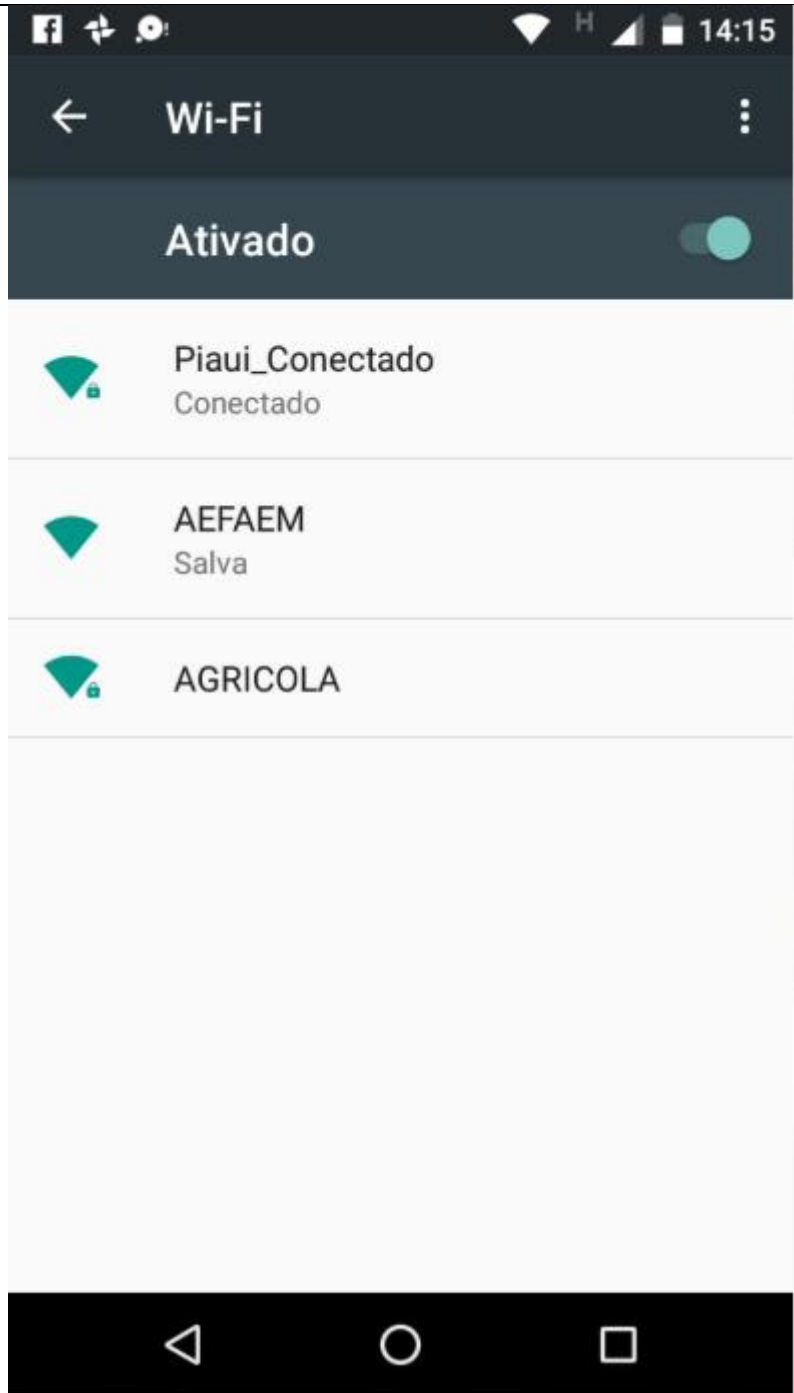
Configurações de Rede

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

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	ⓘ eth0	10.225.2.194/30	-	Física	WAN	✏ 🗑
	ⓘ eth1	10.225.186.1/24	-	Física	LAN	✏ 🗑
	ⓘ eth2	-	-	Física	-	✏ 🗑
	ⓘ eth3	-	-	Física	-	✏ 🗑

4 – Teste de Velocidade

Download / Upload

Graph (Username: ATI-ES-0174-IND)

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

3,500 Kbps				
3,000 Kbps				
2,500 Kbps				
2,000 Kbps				
1,500 Kbps				
1,000 Kbps				
500 Kbps				
0 Kbps				
13:56	13:57	13:58	13:59	14:00

| 13:10 | 13:20 | 13:30 | 13:40 | 13:50 |

From: 10-27-2018 13:5! to: 10-27-2018 14:0'   Zoom: MAX