TERMO DE ACEITE TÉCNICO

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

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Orgão: SEDUC	**Unidade:** Univ. Aberta do Brasil	**Data Instalação** 04/09/2018	**Data Ativação** 04/09/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0057-IND	**Porta kbps** 1024/256	**Tipo** Indoor

Piauí, 4 de setembro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
    Name            : ATI-ES-0057-IND
    Location        : PI
    Contact         :
    System Up time      : 0 days, 00:05:43
    CPU Load        : 7%
    System time(UTC)   : 04 September 2018 11:32:12
    Broadcast Message   : not set

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

MAC addresses:
    Ethernet (LAN)     : 00:20:0e:10:89:5b
    Satellite (DVB)    : 00:20:0e:10:89:5b

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start        : Enabled
IDU Output Power    : -22 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    : -22.1 dBm
Es/No           : 15.5 dB
Header Compression  : Disabled
Timing correction   : -283 us (249469 us)
Frequency correction: 160 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        : 11.628112 GHz
Symbol Rate      : 25.000098 Msps
S2 ModCod
   - receiving  : 1   QPSK-1/4
   - current max : 14   8PSK-3/4
Pilot            : On
Frame length     : Short
DVB S2 Mode      : ACM
DVB S2 Stream type  : MPEG-TS
Roll off         : 0.25
SNR              : 10.5 dB
Input Power      : -38 dBm
# arp show


  NetAddr      State  MacAddr         If
  10.225.1.90  Dynamic 00:90:27:f0:2f:36   1


# ip show
Interfaces
If    IPAddress    SubnetMask   BroadCastAddr  MTU       Alias   AdminStatus
1    10.225.1.89 255.255.255.252    10.225.1.91  1500         eth0    1
3   172.18.193.233 255.255.255.255       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    925    525    242    251679   1152    16    0    634386
3    1387    0    0    648130   1107    0    0    139729
4    0    0    0    0    0    0    0    0
IP  Receive  Deliver  Errors  Discards  Forward  Request  NoRoute  Discards
    2817    788    0    0    1809    466    95    108


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
   0.0.0.0        0.0.0.0          0.0.0.0  3   STATIC
  10.225.1.88  255.255.255.252       0.0.0.0  1   LOCAL
  10.225.96.0   255.255.255.0     10.225.1.90  1   STATIC
 172.18.193.233  255.255.255.255       0.0.0.0  3   LOCAL
#
```
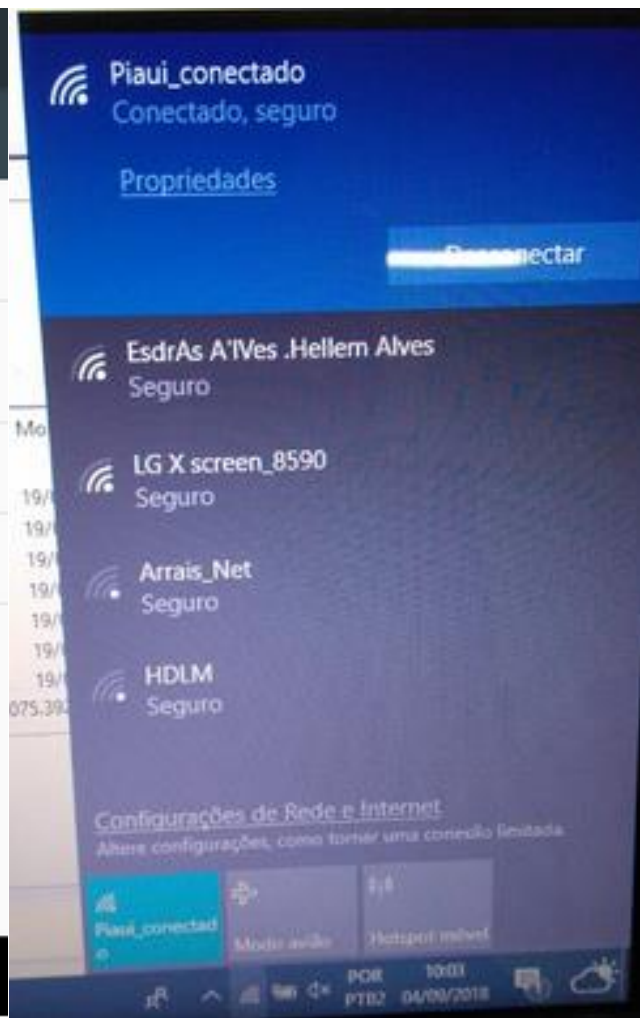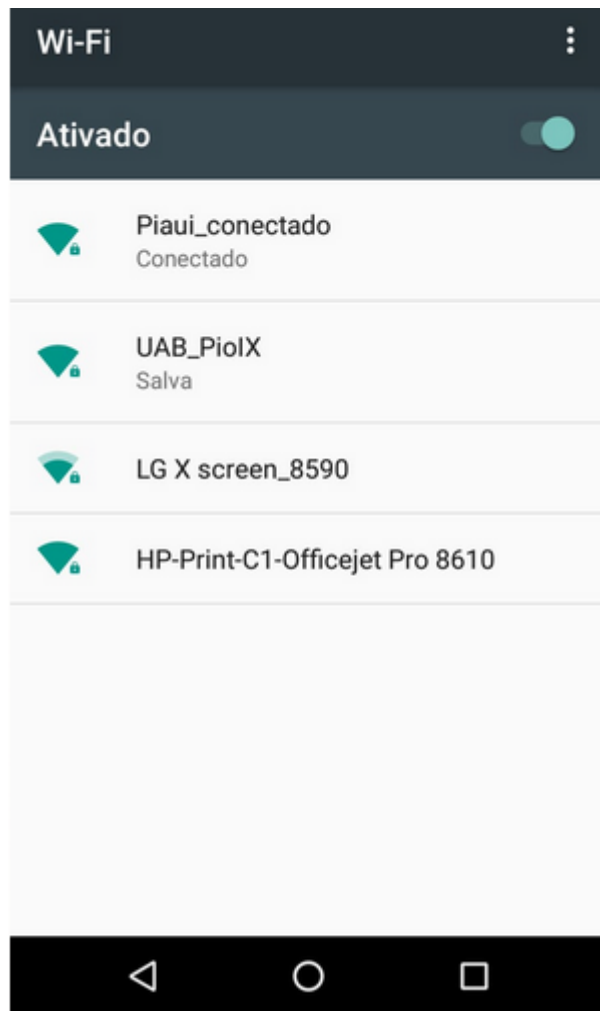
3 – Configurações dos Equipamentos

Configurações de Rede

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

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
⬤	ℹ eth0	10.225.1.90/30	-	Física	WAN	✏ 🗑
⬤	ℹ eth1	10.225.96.1/24	-	Física	LAN	✏ 🗑
⬤	ℹ eth2	-	-	Física	-	✏ 🗑
⬤	ℹ eth3	-	-	Física	-	✏ 🗑

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.1.90  netmask 255.255.255.252  broadcast 10.225.1.91
        ether 00:90:27:f0:2f:36  txqueuelen 10000  (Ethernet)
        RX packets 3037  bytes 574100 (560.6 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 6309  bytes 7579290 (7.2 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 16  memory 0xfe8e0000-fe900000

eth1: flags=4099<UP,BROADCAST,MULTICAST>  mtu 1500
        inet 10.225.96.1  netmask 255.255.255.0  broadcast 10.225.96.255
        ether 00:90:27:f0:2f:37  txqueuelen 10000  (Ethernet)
        RX packets 579  bytes 64338 (62.8 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 13  bytes 2189 (2.1 KiB)
        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 67246  bytes 29413953 (28.0 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 67246  bytes 29413953 (28.0 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade -Download/Upload