TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Pedro Bernardes	**Técnico Instalador:** Fernando Waishman **Contato**: 86-99406-0011 **Email**: nando_dantas@hotmail.com	
ATI: Weslley Souza	**Responsável/cliente:** Diego Macedo Alves	

Orgão: ATI	**Unidade:** Praça do Santuário de Santa Cruz dos Milagres	**Data Instalação** 08/01/2019	**Data Ativação** 08/01/2019
Operadora Global Eagle	**VSAT-ID** ATI-PB-0256-OUT	**Porta kbps** 4096/512	**Tipo** Outdoor

Piauí, 08 de janeiro de 2019

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
    Name             : ATI-PB-0256-OUT
    Location         : Santa Cruz dos Milagres - PI
    Contact          :
    System Up time   : 0 days, 00:05:36
    CPU Load         : 21%
    System time(UTC) : 08 January 2019 20:13:42
    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:bf
    Satellite (DVB)  : 00:20:0e:10:9a:bf

# 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    27.466667       11.727054  DVB-S2 2      0      0.0 E               Yes

Satellite (DVB) Receiver Status
-------------------------------
Rx State          : On
DVB State         : Forward link up
Network           : 65281,   ATI-Piaui-Conectado
Frequency         : 11.727048 GHz
Symbol Rate       : 27.465657 Msps
S2 ModCod
    - receiving   : 12   8PSK-3/5
    - 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               : 15.4 dB
Input Power       : -34 dBm
# 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  : SHC/UDP/IP


Satellite (DVB) Transmitter Status
-------------------------------
State           : On  (DVB-RCS2)
IDU Output Power    : -19.9 dBm
Es/No          : 16.0 dB
Header Compression  : SHC/UDP/IP
Timing correction   : 162 us (249218 us)
Frequency correction: -20 Hz
# arp show

  NetAddr     State  MacAddr         If
   10.225.4.10  Dynamic 00:13:3b:8b:45:47   1
# ip show
Interfaces
If    IPAddress     SubnetMask  BroadCastAddr  MTU       Alias  AdminStatus
1     10.225.4.9 255.255.255.252    10.225.4.11 1500        eth0   1
3    172.26.7.100 255.255.255.255       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   3928    481    253    611465    4898    17     0   3016393
3   2788     0     0   1849740   3005     0     0   379811
4    0     0     0      0     0     0     0      0
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute  OutDiscards
    7127   1972     0      0   7958   2835    48      94

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
   10.225.4.8 255.255.255.252      0.0.0.0  1   LOCAL  ACTIVE
   10.226.12.0   255.255.255.0    10.225.4.10  1  STATIC  ACTIVE
   172.26.7.100 255.255.255.255      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	10.225.4.10/30	-	Física	WAN	✏ 🗑
⬤	ⓘ eth1	10.226.12.1/24	-	Física	LAN	✏ 🗑
◯	ⓘ eth2	-	-	Física	-	✏ 🗑
◯	ⓘ eth3	-	-	Física	-	✏ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.4.10  netmask 255.255.255.252  broadcast 10.225.4.11
        ether 00:90:27:f0:86:90  txqueuelen 10000  (Ethernet)
        RX packets 80233  bytes 68586252 (65.4 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 69075  bytes 15896242 (15.1 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 10.226.12.1  netmask 255.255.255.0  broadcast 10.226.12.255
        ether 00:90:27:f0:86:91  txqueuelen 10000  (Ethernet)
        RX packets 80832  bytes 17080118 (16.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 90760  bytes 74514359 (71.0 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 57350  bytes 46556815 (44.4 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 57350  bytes 46556815 (44.4 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade -Download/Upload