



# TERMO DE ACEITE TÉCNICO

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

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**Orgão:** SEDUC

**Data Instalação**  
16/11/2018

**Data Ativação**  
16/11/2018

**Unidade:** SEDUC - Pio IX

**Município:** Pio IX

**Coordenadas:** 6°38'43.00"S 40°57'02.00"W

**Operadora**  
Global Eagle

**VSAT-ID**  
ATI-194-PIO-IX-OUT

**Porta kbps**  
1024/256

**Tipo**  
Outdoor

Piauí, 16 de Novembro de 2018

## 1 – Local da Instalação



## 2 – Configurações do Modem

# device show

System Information:

Name : ATI-PB-0194-OUT  
Location : Pio IX - PI  
Contact :  
System Up time : 0 days, 00:26:35  
CPU Load : 61%  
System time(UTC) : 16 November 2018 18:19:01  
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:d6  
Satellite (DVB) : 00:20:0e:10:9a:d6

# 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 : -18.1 dBm  
Es/No : 12.5 dB  
Header Compression : Disabled  
Timing correction : -88 us (249562 us)  
Frequency correction: 400 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[Msp/s]	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     : 11.628089 GHz
Symbol Rate   : 24.999964 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           : 16.1 dB
Input Power    : -36 dBm
# arp show

NetAddr  State  MacAddr  If
10.225.3.18 Dynamic 00:90:27:f0:8b:1c 1
# ip show
Interfaces
If  IPAddress  SubnetMask  BroadCastAddr  MTU  Alias  AdminStatus
1  10.225.3.17 255.255.255.252 10.225.3.19 1500 eth0 1
3  172.18.193.13 255.255.255.255 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  156623   7    0 30015326 231078   28    0 286298895
3  239472   0    0 303821115 124699    0 1098 25114323
4    0     0    0    0     0     0     0
IP Receive Deliver Errors InDiscards Forward Request NoRoute OutDiscards
396033 111 0 0 357188 189 0 0

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
10.225.3.16 255.255.255.252 0.0.0.0 1 LOCAL ACTIVE
10.225.206.0 255.255.255.0 10.225.3.18 1 STATIC ACTIVE
172.18.193.13 255.255.255.255 0.0.0.0 3 LOCAL ACTIVE
#
```

### 3 – Configurações dos Equipamentos

The screenshot displays a web browser window with the BLOCKBIT UTM interface. The browser's address bar shows the URL <https://10.225.206.1:98/admin/apps/network.php>. The page title is "Configurações de Rede". The navigation menu includes "Configurações", "Interfaces", "Roteamento Estático", "Roteamento Dinâmico", "Configurações IPv6", "Controle de Banda", and "H.A.". The "Interfaces" tab is selected, showing a table of network interfaces.

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	eth0	10.225.3.18/30	-	Física	WAN	
	eth1	10.225.206.1/24	-	Física	LAN	
	eth2	-	-	Física	-	
	eth3	-	-	Física	-	

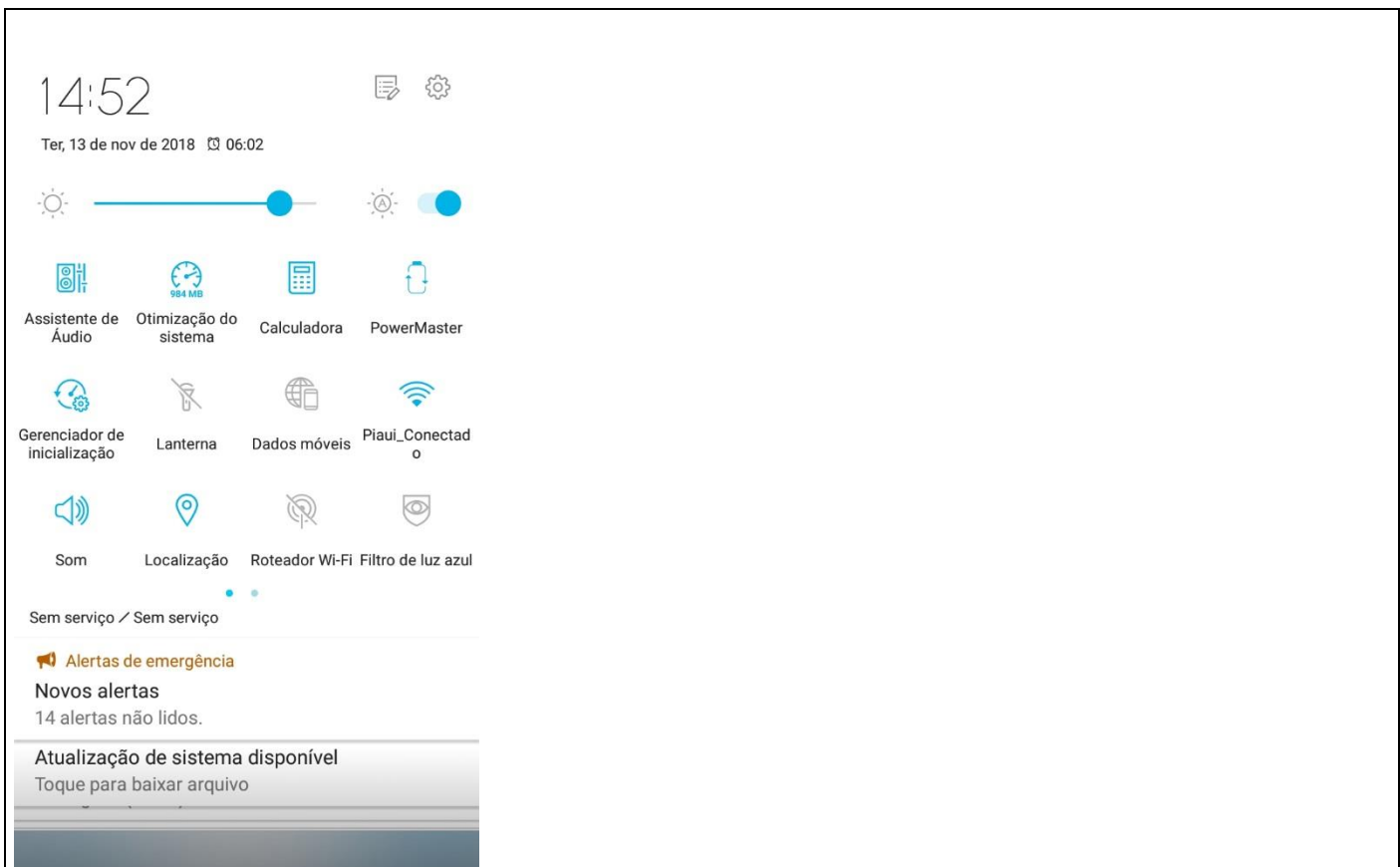
Below the browser window, a terminal window titled "COM5 - PuTTY" is open, displaying the output of the `ifconfig` command for the `eth0`, `eth1`, and `lo` interfaces.

```
system-syslog      enabled:running
system-admin       enabled:running
system-ha          disabled:stopped
gsm-deployer       disabled:stopped
gsm-logger         disabled:stopped
admin > ifconfig
eth0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
      inet 10.225.3.18 netmask 255.255.255.252 broadcast 10.225.3.19
      ether 00:90:27:f0:8b:1c txqueuelen 10000 (Ethernet)
      RX packets 0 bytes 0 (0.0 B)
      RX errors 0 dropped 0 overruns 0 frame 0
      TX packets 0 bytes 0 (0.0 B)
      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 10.225.206.1 netmask 255.255.255.0 broadcast 10.225.206.255
      ether 00:90:27:f0:8b:1d txqueuelen 10000 (Ethernet)
      RX packets 3789 bytes 611753 (597.4 KiB)
      RX errors 0 dropped 0 overruns 0 frame 0
      TX packets 5794 bytes 6253061 (5.9 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 72019 bytes 31446661 (29.9 MiB)
      RX errors 0 dropped 0 overruns 0 frame 0
      TX packets 72019 bytes 31446661 (29.9 MiB)
      TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

admin >
```



#### 4 – Teste de Velocidade -Download/Upload

