



TERMO DE ACEITE TÉCNICO

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

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Data Instalação
21/11/2018

Data Ativação
21/11/2018

Unidade: Ponto 1 (Avulso)

Município: Teresina

Coordenadas: 5°8'25.00"S 42°47'10.00"W

Operadora
Global Eagle

VSAT-ID
ATI-OU-0214-OUT

Porta kbps
4M/256k

Tipo
Outdoor

Piauí, 21 de Novembro de 2018

1 – Local da Instalação



2 – Configurações do Modem

device show

System Information:

Name : ATI-OU-0214-OUT
Location : Teresina- PI
Contact :
System Up time : 0 days, 00:57:02
CPU Load : 22%
System time(UTC) : 21 November 2018 03:16:17
Broadcast Message : not set

HW:

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

MAC addresses:

LAN : 00:20:0e:10:87:db
Satellite (DVB) : 00:20:0e:10:87:db

dvb tx show

Satellite (DVB) TX Configuration

Auto start : Enabled
BUPC status : Disabled
IDU Output Power : -16 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 : -15.9 dBm
Es/No : 11.5 dB
Header Compression : Disabled
Timing correction : 58 us (251505 us)
Frequency correction: 60 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 : 11.628141 GHz
Symbol Rate : 25.000450 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 : 16.9 dB
Input Power : -27 dBm
odu show

Antenna

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

Transmitter (BUC)

Type JRC NJT5037 (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	10.225.3.97	255.255.255.252	10.225.3.99	1500	eth0	1
3	172.18.193.38	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 68874 7 0 36107731 87523 32 0 77094070
3 86110 0 0 81410375 44173 0 875 33007606
4 0 0 0 0 0 0 0 0

IP Receive Deliver Errors InDiscards Forward Request NoRoute OutDiscards

154898 608 0 0 132795 898 0 1

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
10.225.3.96	255.255.255.252	0.0.0.0	1	LOCAL	ACTIVE
10.225.226.0	255.255.255.0	10.225.3.98	1	STATIC	ACTIVE
172.18.193.38	255.255.255.255	0.0.0.0	3	LOCAL	ACTIVE

3 – Configurações dos Equipamento

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.3.98 netmask 255.255.255.252 broadcast 10.225.3.99
    ether 00:90:27:f0:86:00 txqueuelen 10000 (Ethernet)
    RX packets 276331 bytes 342727250 (326.8 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 169289 bytes 59647287 (56.8 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 10.225.226.1 netmask 255.255.255.0 broadcast 10.225.226.255
    ether 00:90:27:f0:86:01 txqueuelen 10000 (Ethernet)
    RX packets 168370 bytes 59536453 (56.7 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 276255 bytes 342413790 (326.5 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 21244 bytes 15218543 (14.5 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 21244 bytes 15218543 (14.5 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Configurações de Rede

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

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
	eth0	10.225.3.98/30	-	Física	WAN	
	eth1	10.225.226.1/24	-	Física	LAN	
	eth2	-	-	Física	-	
	eth3	-	-	Física	-	



4 – Teste de Velocidade -Download/Upload

