



TERMO DE ACEITE TÉCNICO

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

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Orgão: SEDUC

Unidade: Francisco Antonio da Silva

Data Instalação

23/10/2018

Data Ativação

24/10/2018

Operadora
Global Eagle

VSAT-ID
ATI-ES-0160-IND

Porta kbps
4M/256k

Tipo
Indoor

Piauí, 24 de Outubro de 2018

1 – Local da Instalação



2 – Configurações do Modem

device show

System Information:

Name : ATI-ES-0160-IND

Location : São Braz do Piauí - PI

Contact :

System Up time : 0 days, 00:59:58
CPU Load : 30%
System time(UTC) : 21 October 2018 14:09:21
Broadcast Message : not set

HW:

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

MAC addresses:

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

dvb tx show

Satellite (DVB) TX Configuration

Auto start : Enabled
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 : -17.9 dBm
Es/No : 13.0 dB
Header Compression : Disabled
Timing correction : -299 us (250528 us)
Frequency correction: 350 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 : 11.628099 GHz
Symbol Rate : 25.000021 Msps
S2 ModCod
- receiving : 1 QPSK-1/4
- current max : 16 8PSK-8/9
Pilot : On

Frame length : Short
DVB S2 Mode : ACM
DVB S2 Stream type : MPEG-TS
Roll off : 0.25
SNR : 14.4 dB
Input Power : -32 dBm
odu show

Antenna

Type ASC/Andrew/Channel Master Type 123 - 1.2m
Antenna controller None
Tx Gain at 14.25 GHz 43.3dB

Transmitter (BUC)

Type JRC NJT5017 (14.0-14.5 GHz)
Local oscillator 13.050000 GHz
DC supply 24V 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 config

No Such Command

ip show

Interfaces

If	IPAddress	SubnetMask	BroadCastAddr	MTU	Alias	AdminStatus
1	10.225.2.137	255.255.255.252	10.225.2.139	1500	eth0	1
3	172.18.192.194	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
1 424 884 445 315237 412 77 0 197157
3 273 0 0 61425 370 0 0 32579
4 0 0 0 0 0 0 0 0

IP	Receive	Deliver	Errors	Discards	Forward	Request	NoRoute	Discards
	1357	746	0	0	298	491	313	320

Interface Directed Routing Table

In If Out If

-----IP LAC Statistics-----

RPF	Src eq dest	RPF HitCount	Src eq dest HitCount	MfcHitCount (-1/drop classified)
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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
10.225.2.136	255.255.255.252	0.0.0.0	1	LOCAL
10.225.172.0	255.255.255.0	10.225.2.138	1	STATIC
172.18.192.194	255.255.255.255	0.0.0.0	3	LOCAL

#

3 – Configurações dos Equipamentos

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.2.138 netmask 255.255.255.252 broadcast 10.225.2.139
    ether 00:90:27:f0:89:f8 txqueuelen 1000 (Ethernet)
    RX packets 192 bytes 17810 (17.3 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 6 bytes 384 (384.0 B)
    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 10.225.172.1 netmask 255.255.255.0 broadcast 10.225.172.255
    ether 00:90:27:f0:89:f9 txqueuelen 1000 (Ethernet)
    RX packets 1660 bytes 165094 (161.2 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 227 bytes 22944 (22.4 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 555 bytes 40011 (39.0 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 555 bytes 40011 (39.0 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

admin >
```

4 – Teste de Velocidade

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