



TERMO DE ACEITE TÉCNICO

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

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Orgão: SEDUC

Data Instalação
31/10/2018

Data Ativação
31/10/2018

Unidade: Escolar Julia Elisa Coelho

Município: Queimada Nova

Coordenadas: 8°35'17.00"S 41°25'0.00"W

Operadora
Global Eagle

VSAT-ID
ATI-ES-0147-IND

Porta kbps
4096K/256k

Tipo
Indoor

Piauí, 31 de Outubro de 2018

1 – Local da Instalação



2 – Configurações do Modem

device show

System Information:

Name : ATI-ES-0147-IND
Location : Queimada Nova - PI
Contact :
System Up time : 0 days, 01:11:40
CPU Load : 51%
System time(UTC) : 01 November 2018 00:09:49
Broadcast Message : not set

HW:

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

MAC addresses:

LAN : 00:20:0e:10:87:3a
Satellite (DVB) : 00:20:0e:10:87:3a

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 : None

Satellite (DVB) Transmitter Status

State : On (DVB-RCS2)
IDU Output Power : -19.8 dBm
Es/No : 12.0 dB
Header Compression : Disabled
Timing correction : 83 us (249921 us)
Frequency correction: 340 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 : 11.628198 GHz
Symbol Rate : 25.001339 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 : 15.7 dB
Input Power : -32 dBm
odu show

Antenna

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

Transmitter (BUC)

Type JRC NJT5017 (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	10.225.2.85	255.255.255.252	10.225.2.87	1500	eth0	1
3	172.18.192.140	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 129948 0 16 8196629 225388 39 0 314139760
3 225281 0 7 315031903 21664 0 0 1351243
4 0 0 0 0 0 0 0 0

IP Receive Deliver Errors InDiscards Forward Request NoRoute OutDiscards

355161 187 0 0 247148 251 0 29

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
10.225.2.84	255.255.255.252	0.0.0.0	1	LOCAL	ACTIVE
10.225.159.0	255.255.255.0	10.225.2.86	1	STATIC	ACTIVE
172.18.192.140	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	10.225.2.86/30	-	Física	WAN	 
	 eth1	10.225.159.1/24	10.225.159.1	Física	LAN	 
	 eth2	-	-	Física	-	 
	 eth3	-	-	Física	-	 

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.2.86 netmask 255.255.255.252 broadcast 10.225.2.87
    ether 00:90:27:f0:88:90 txqueuelen 10000 (Ethernet)
    RX packets 1672 bytes 482006 (470.7 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1469 bytes 348931 (340.7 KiB)
    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 10.225.159.1 netmask 255.255.255.0 broadcast 10.225.159.255
    ether 00:90:27:f0:88:91 txqueuelen 10000 (Ethernet)
    RX packets 1977 bytes 393455 (384.2 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1588 bytes 456883 (446.1 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 18564 bytes 5650801 (5.3 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 18564 bytes 5650801 (5.3 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```



4 – Teste de Velocidade -Download/Upload

