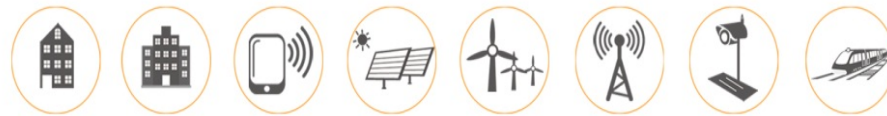
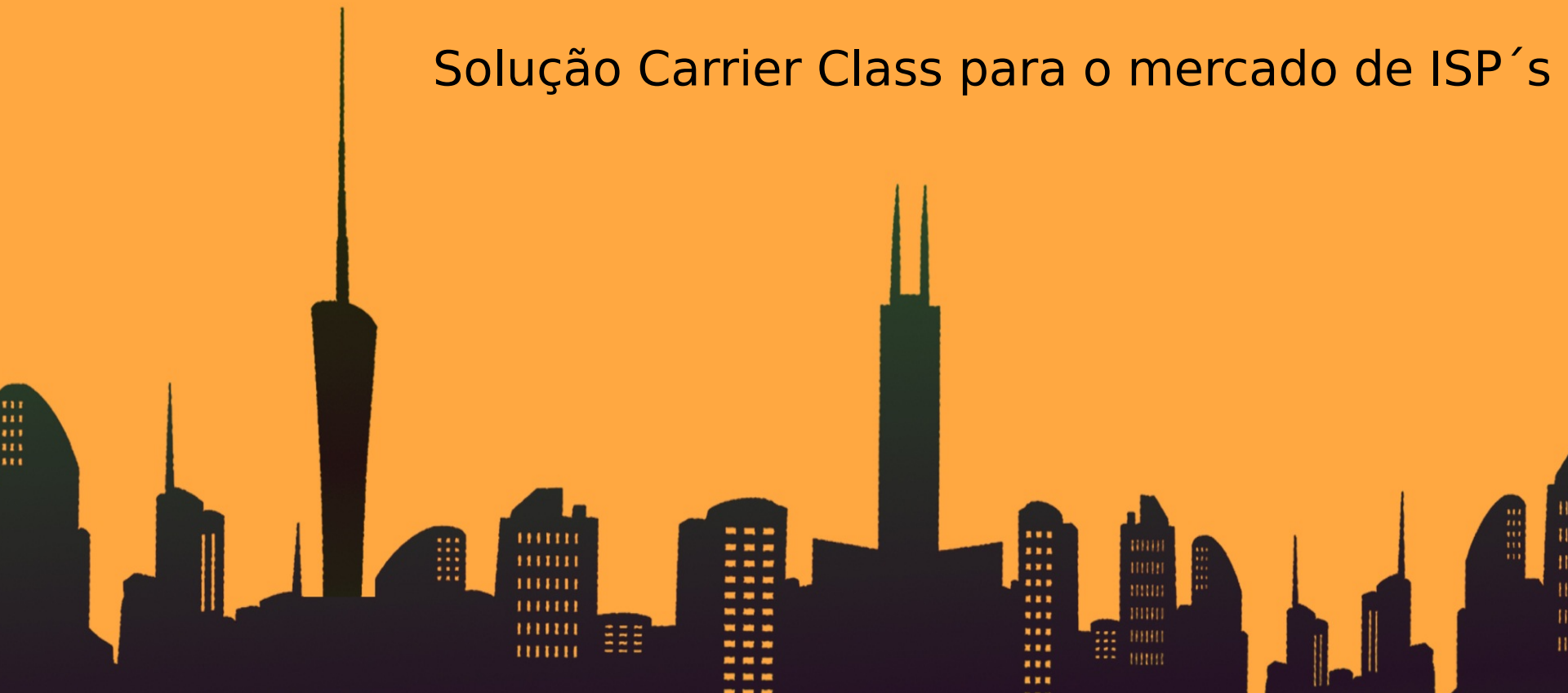


Soluções Raisecom



Solução Carrier Class para o mercado de ISP's

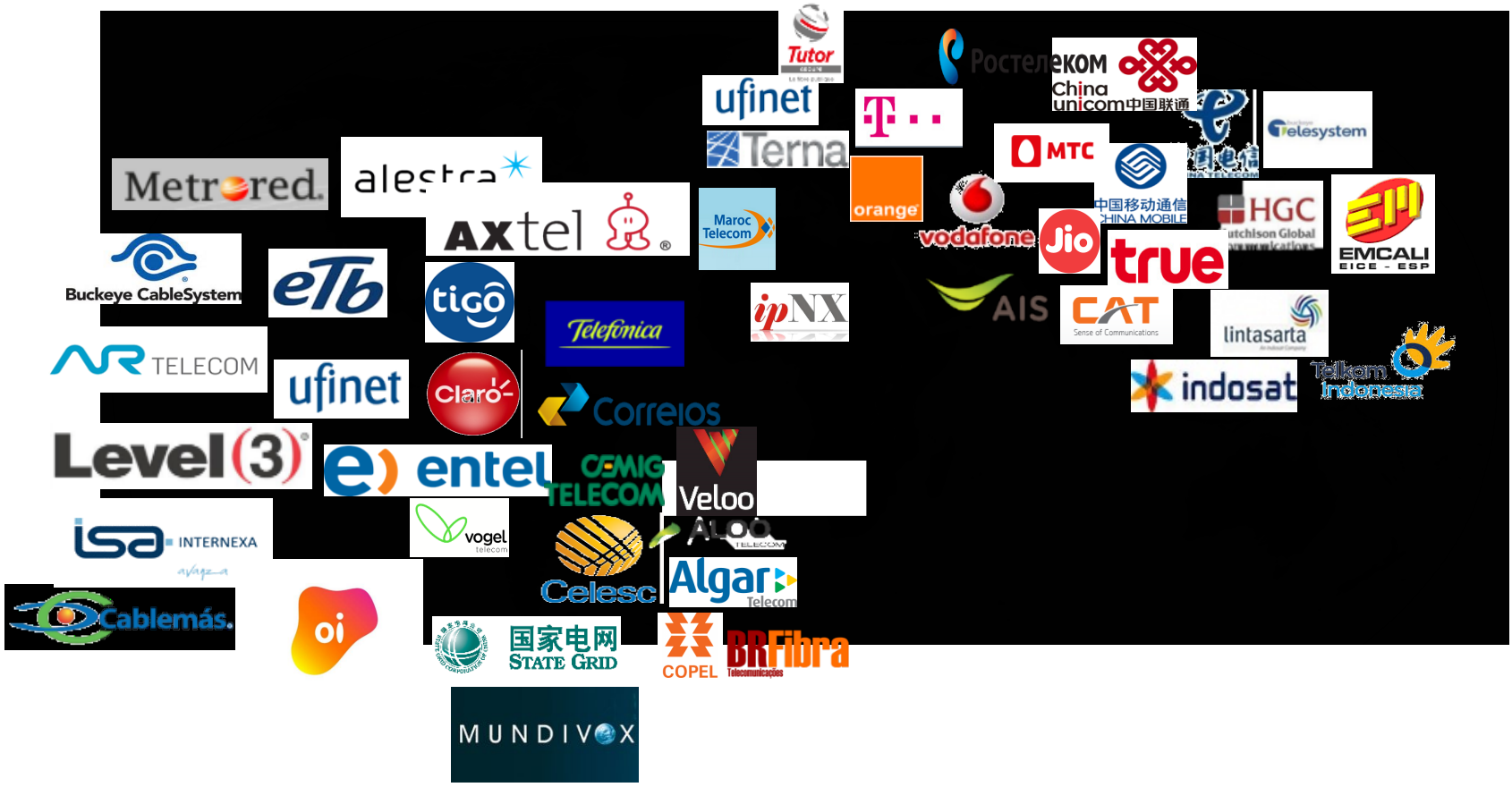


Fornecedor de Soluções Orientadas a Serviços

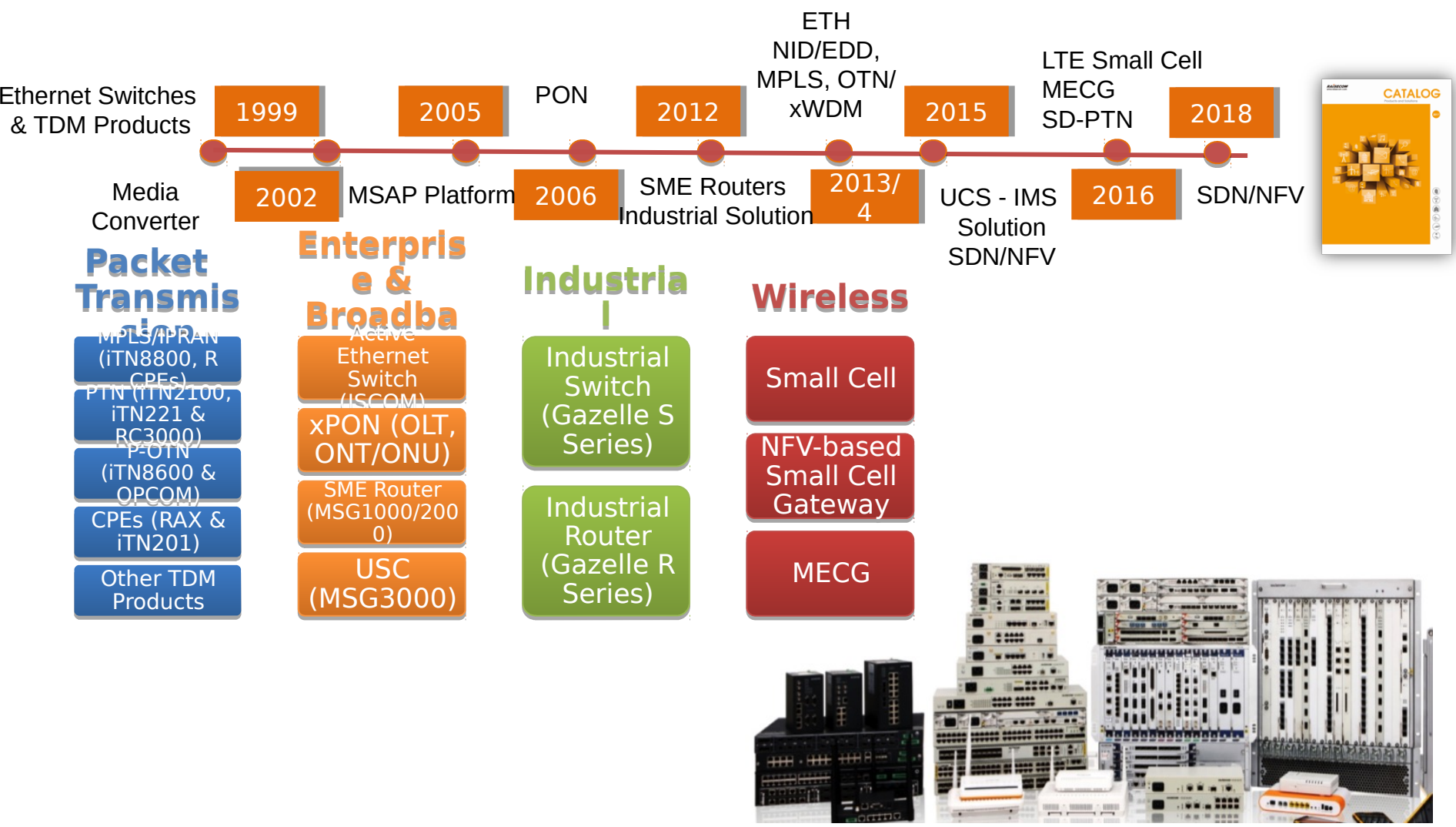
- Estabelecida em 1999, líder global fornecedor de soluções de acesso de telecomunicações e dispositivos de rede.
- Com sede em Pequim (China), possui 12 escritórios de representação e empresas subsidiárias, parceiros e clientes em mais de 80 países em todo o mundo.
- Mais de 2500 funcionários com um centro de P&D em Beijing, dois principais locais de fabricação em Beijing e Shenzhen.
- Oferecendo as melhores soluções de transporte e acesso, rede para Provedores de Serviços e redes de missões críticas (Power & Utilities, Transportes, Governo) .
- As soluções da Raisecom abrangem: CPE's e Agregadores de serviços IP-MPLS, MEF Carrier Ethernet 2.0, soluções de acesso de banda Larga (xPON, Active Ethernet), DWDM / OTN, Rede de Transporte de Pacotes, Solução de Rede Industrial e Routers PME.
- Oferece soluções aumentando a eficiência da rede virtualizando as funcionalidades de comunicação.

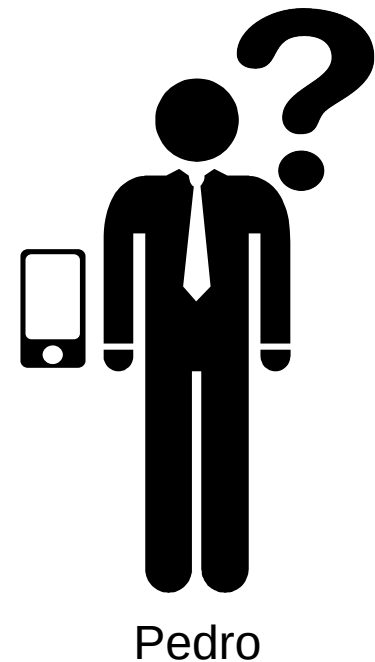
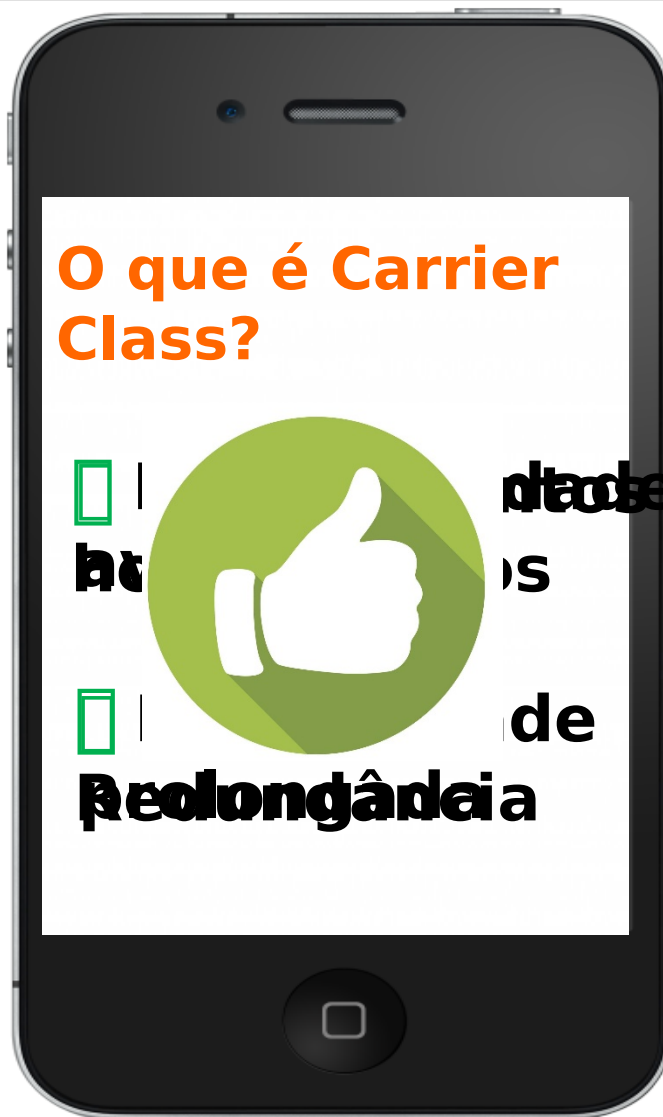


Alguns clientes ao redor do mundo



RAISECOM www.raisecom.com

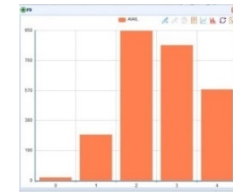




Plataforma de Gerência



Portal de monitoração SLA



Carrier-Ethernet



RAX711 (B)



RAX711C

MPLS-TP

Carrier-Ethernet



RAX701



RAX711-L



iTN201-4GF



iTN201-2XG

IP/MPLS

MPLS-TP

Carrier-Ethernet



RAX711-R



iTN201-4GF-R



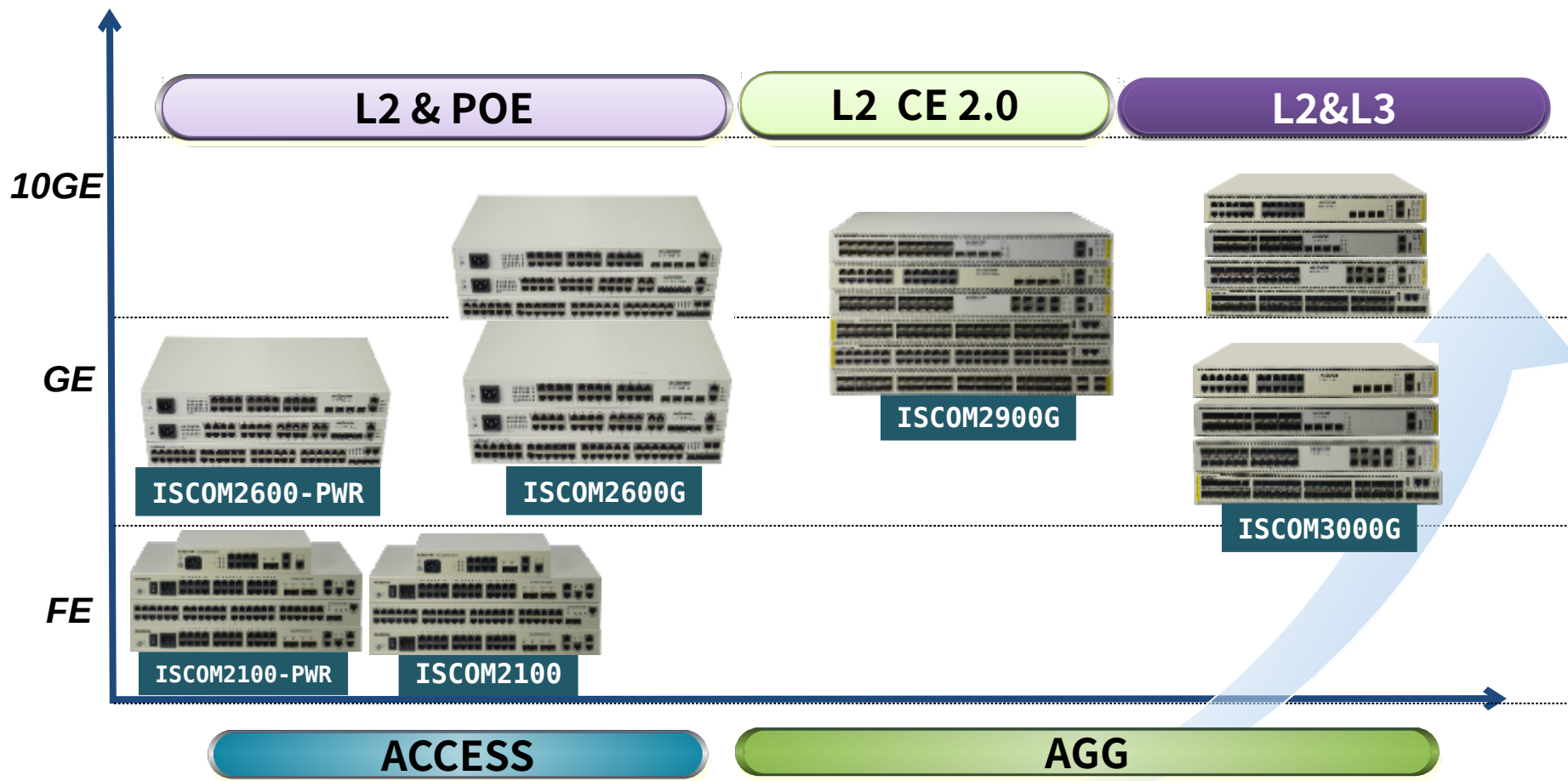
iTN201-2XG-R

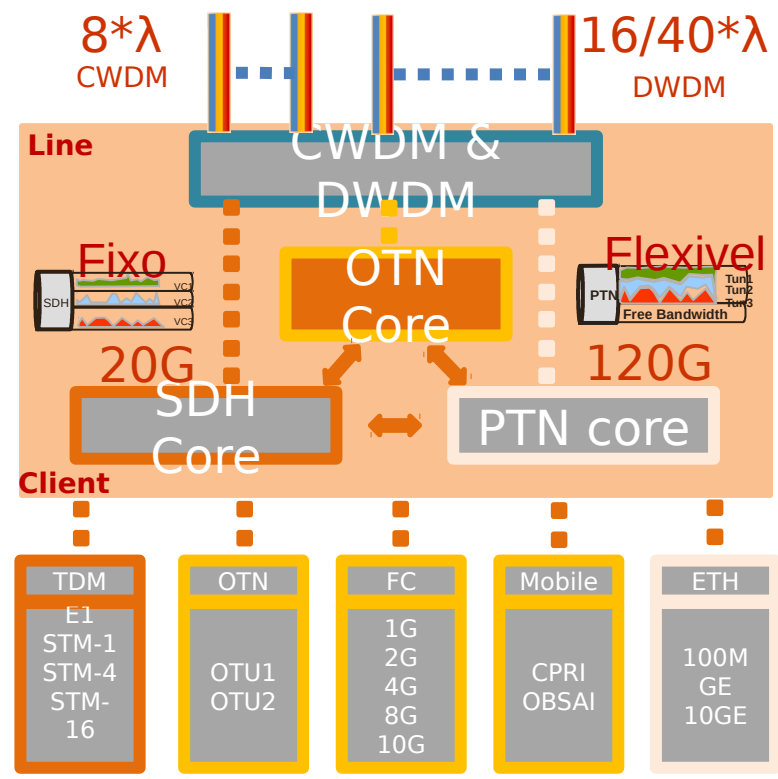


iTN8800

RC Ethernet Switches

RAISECOM
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Interfaces de Serviços



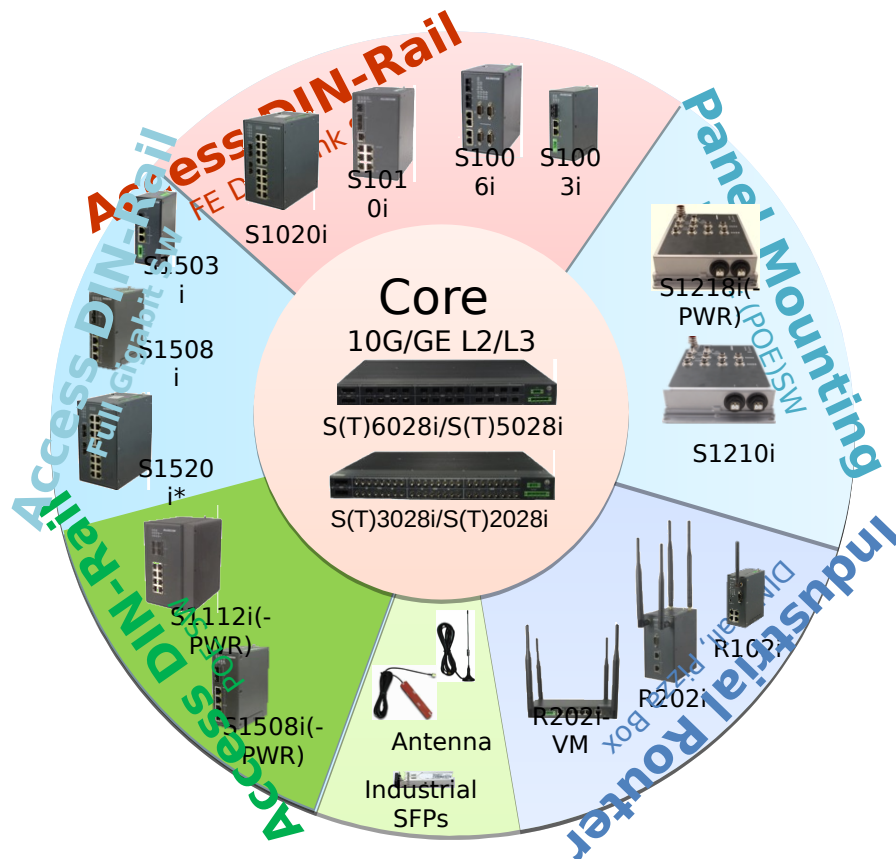
iTN8600-II



iTN8600-V



iTN8600-I-XT4D



Modelos

- Gazelle S – Industrial Switch
- Gazelle R – Industrial Router
- S1000/1100 Series – FE downlinks
- S1200 Series – Panel Mounting, IP67
- S1500 Series – Full Gigabit
- S2000 Series – L2, GE/FE ports
- S3000 Series – L3, GE/FE ports
- S5000 Series – L2, 10G/GE ports
- S6000 Series – L3, 10G/GE ports
- ST Series – 1588v2 PTP
- PWR – POE function

Linha de Produto GPON

- ❑ **Simplicidade na ferramenta de gerência;**
- Controle de banda na OLT;**
- ❑ **Topologia gerada automaticamente;**
- ❑ **Custo benefício do produto**
- ❑ **Auto provisionamento;**
- ❑ **A OLT já vem pronta para operar/funcionar.**
- ❑ **Ferramenta de gerência gratuita**



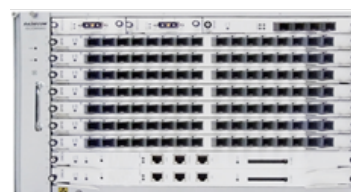


**ISCOM6820
2U -32xPON**



OLTs

ISCOM5508-GP, 1U, 8 PON



**ISCOM6860 6U, 7 PON
Slots
Até 112x PON**



**ISCOM6800
13U, 14 PON
Slots
até 224x PON**

SFU



ISCOM HT803G-1GE

HGU



ISCOM HT803G-V



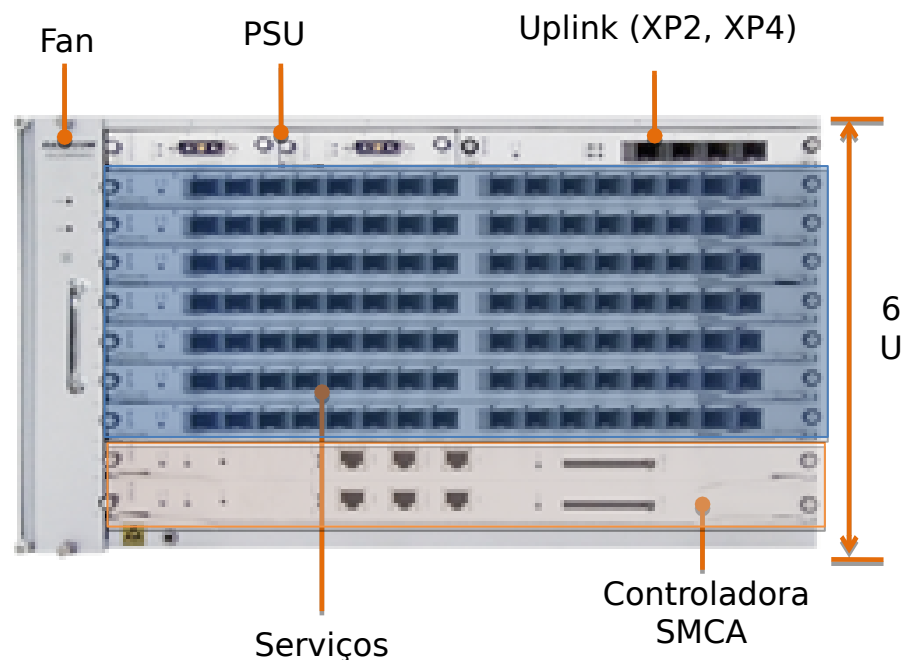
ISCOM HT803G-W



ISCOM HT803G-WS2

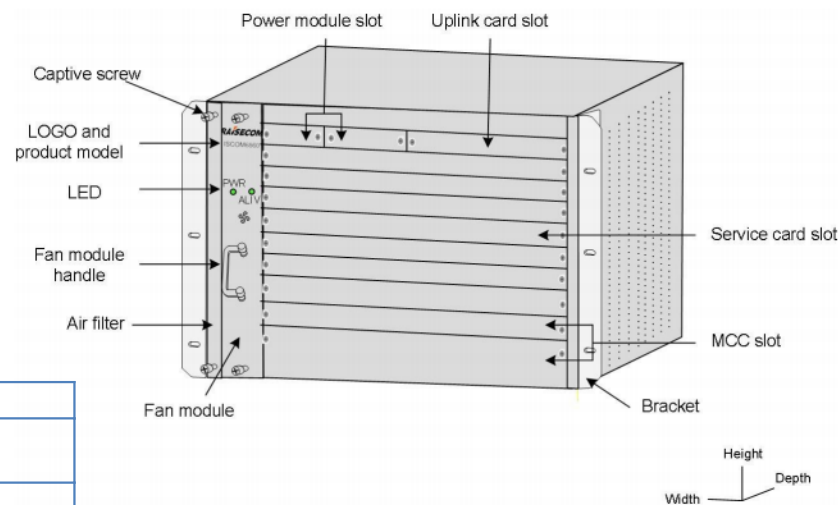
ONU

- **ISCOM6860**
- **Chassis:**
 - Altura: 6U
 - 10 Slots
- **Switching:**
 - Bi-direcional 1.44 Tbps
- **Interfaces PON:**
 - Até 112x GPON/EPON*
 - Pronto para XG-PON
 - 14K ONU
- **ETH:**
 - Até 112x GE
 - Uplink 4x10G ou mais
- **Números de Slots: 10**
 - Slots de serviço: 7 slots
 - Controle: 2 slots
 - Uplink : 1 slot ou mais
 - Alimentação : 2 Slot
- **Control Panel & Power Supplies:**
 - 1+1 control panels
 - 1+1 power supplies

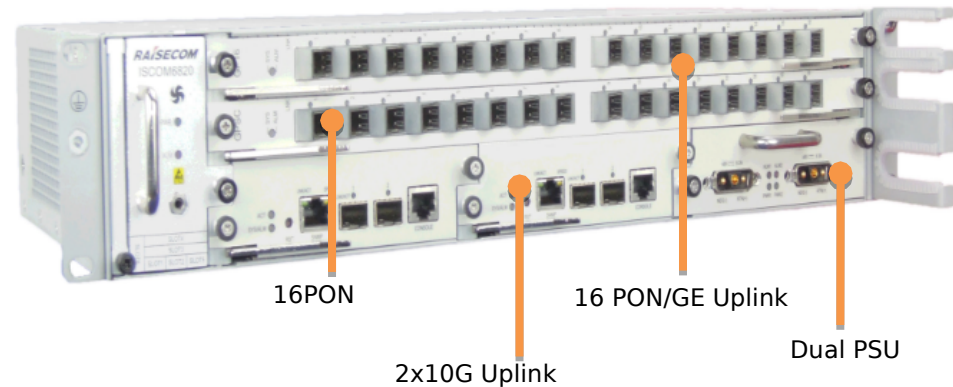


• ISCOM6860 kit Básico

ISCOM6860-10	ISCOM6860-10 chassis.	1
ISCOM6860-10-FANS381	Intelligent FAN.	1
ISCOM6800-SMCA	Switching and control card, working in slot 1 & 2. Providing 1 Console interface(RJ45) for local management and 1 SNMP out-of-band management interface(RJ45).	1
RPD2151-48S48	DC -48v power supply card.	1
ISCOM6800-XP2A	10GE card, 2*10GE SFP+ ports, working in slot 10.	1
ISCOM6800-GP16	GPON line card, 16* GPON SFP ports, working in slots 3-9. (without SFP modules)	1
GSFP-CLCDM-R	GPON OLT SFP module, CLASS C+ standard	16
USFP+-192/S1	SFP+ module, 10Gbps-1310nm-10km-DDMRoHS	1
USFP-GE/AN-R	Electrical SFP module, 10/100/1000Base Auto Negotiation-100m-with Los Indicator-RoHS	1



- **ISCOM6820**
- **Chassis:**
 - Altura: 2U
 - 6 Slots
- **Switching:**
 - Bi-direcional 200 Gbit/s
- **Interfaces PON:**
 - Até 32x GPON
 - 4096 ONU
- **ETH:**
 - Até 16x GE
 - Uplink 4x10G
- **Números de Slots: 6**
 - Slots de serviço: 2 slots
 - Controle: 2 slots
 - Uplink : 2 slot ou mais
 - Alimentação : 1 Slot (Dual power)
- **Control Panel & Power Supplies:**
 - 1+1 uplink
 - 1+1 Alimentação

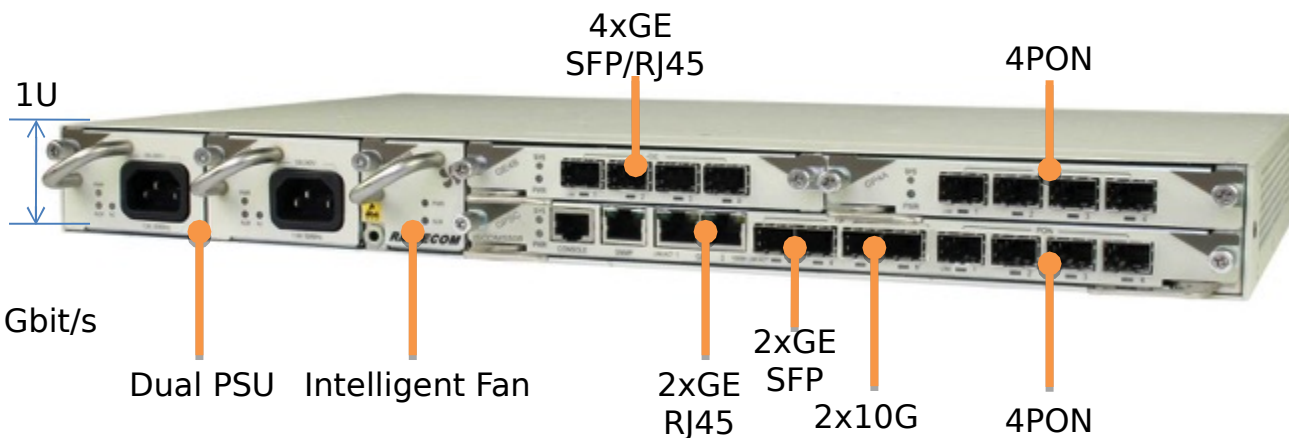


- ISCOM6820 kit Básico

Fan module slot (Slot 6)	Expansion card slot (Slot 4)		
	Service card slot (Slot 3)		
	Main control uplink card (Slot 1)	Main control uplink card (Slot 2)	Power card slot (Slot 5)

ISCOM6820-GP-DC	GPON OLT SYSTEM Including: ISCOM6820 Chassis *1 (chassis) ISCOM6820-MCUA *1 (uplink module in slot 1) ISCOM6820-GPSC *1 (mainboard 16GPON module in slot 3) RPD1302-48D4805 *1 (dual DC power feeding module in slot 5) ISCOM6820-FANS380 *1 (Fan module in slot 6)	1
GSFP-CLCDM-R	GPON OLT SFP module, CLASS C+ standard	16
USFP-GE/AN-R	Electrical SFP module, 10/100/1000Base Auto Negotiation-100m-with Los Indicator-RoHS	1
USFP+-192/S1	SFP+ module, 10Gbps-1310nm-10km-DDMRoHS	1

- **ISCOM5508**
- **Chassis:**
 - Altura: 1U
 - 6 Slots
- **Switching:**
 - Bi-direcional 96 Gbit/s
- **Interfaces PON:**
 - Até 8x GPON
 - 1024 ONU
- **ETH:**
 - Até 8x GE
 - Uplink 2x10G
- **Números de Slots: 6**
 - Slots de serviço: 2 slots
 - Controle: 1 slots
 - Uplink : 1 slot ou mais
 - Alimentação : 2 Slot (AC ou DC)
- **Control Panel & Power Supplies:**
 - 1+1 Alimentação



- ISCOM5508 kit B**

Slot 4	Slot 5	Slot 6	Extended sub-card (Slot 2)	Extended sub-card (Slot 3)
Main-control card slot (Slot 1)				

ISCOM5508-GP-DC/S	GPON OLT SYSTEM Including: ISCOM5508-GP Chassis *1 ISCOM5508-GPSC *1 (mainboard in slot 1) RPD1101-48S12 *1 (single DC module in slot 4) FANS306 *1 (fan module in slot 6)	1
ISCOM5508-GP4A	GPON line card, 4 *GPON SFP ports, slot 3. (without SFP modules)	1
GSFP-CLCDM-R	GPON OLT SFP module, CLASS C+ standard	8
USFP+-192/S1	SFP+ module, 10Gbps-1310nm-10km-DDMRoHS	1

GPON ONU's

FTTH

SFU



ISCOM HT803G-1GE

HGU



ISCOM HT803G-V



ISCOM HT803G-W



ISCOM HT803G-WS2

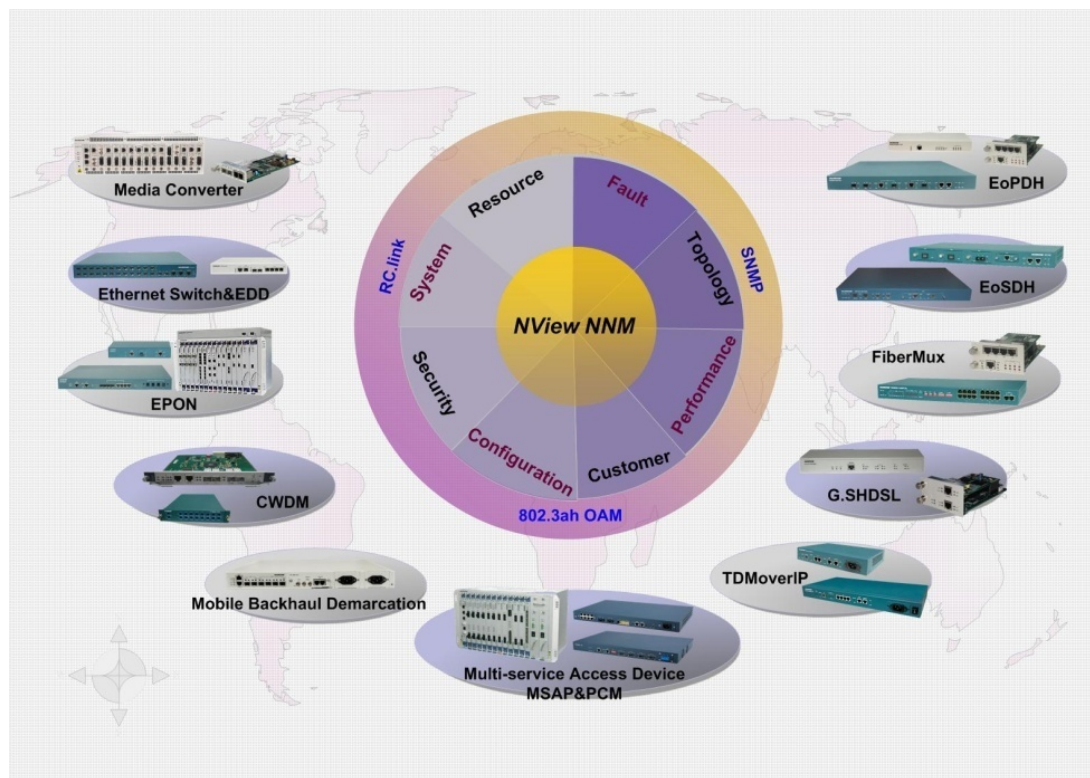


Padrão	HT803G-1GE	HT803G-V	HT803G-W	HT803G-WS2
Portas Fast Ethernet	-	1	-	-
Portas Gigabit	1	1	4	4
Portas FXS	-	1	2	2
Interface Wi-Fi	-	-	SIM	SIM
Frequência do Wi-Fi	-	-	2.4GHz	2.4GHz e 5.8GHZ
Tecnologia do Wi-Fi	-	-	MIMO	AC MIMO
Modo de operação	Bridge	Router/Bridge	Router/Bridge	Router/Bridge

Nview

Nview NNM (Network Node Management) é um sistema integrado para monitoração e gerenciamento de todos os equipamentos de rede Raisecom,

- Topologia,
- Inventário,
- Alarme,
- Cliente,
- Configuração,
- Desempenho,
- Datacenter,
- Segurança.



The screenshot shows the NView NNM V5 interface. The top menu bar includes System, Topology, Alarm, Performance, Inventory, EMS Config, Customer, Report, Log, Security, Service, DataCenter, Windows, Tools, and Help. Below the menu is a status bar with colored indicators (red, yellow, green) and numerical values (62, 3, 4, 17, 0, 86). The main area displays a network topology with nodes labeled with IP addresses (192.168.6.58, 192.168.6.101, 192.168.6.210, 192.168.6.211, 192.168.6.232) and icons representing different network components (INT, SNMP). A sub-region is highlighted with a red box around the node 192.168.6.101. The bottom panel shows an alarm list with columns for alarmID, Alarm Level, Alarm Name, Initial Received Time, and NE Name. The status bar at the bottom indicates 'Current User: administrator', 'The connection is normal', 'Multi-user Login Mode', and 'NView NNM V5'.

Main Menu

Barra do Sistema

Alarme

Topologia

Mapa

Status

Sub região

Cor dos Nodes indicando alarme

Alarme em tempo real

alarmID	Alarm Level	Alarm Name	Initial Received Time	NE Name
1	Warning	cold start	2012-05-20 19:53:59	[192.168.6.101] Chassis:1
2	Minor	SDH clock source switch	2012-05-20 19:54:18	[192.168.6.101] Chassis:1

Topology - NView NNM V5

System Topology Alarm Performance Inventory EMS Config Provision PON Customer Report Security DataCenter Windows Help

7 1 0 0 0 8

NView NNM

Topology ISCOM5508GP

System Browse Edit Zoom Layout

Network Topo

- Porto Alegre
- Rio de Janeiro
- 192.168.0.1
- ISCOM5508GP
 - ISCOM5508GP
 - PON 1/1
 - PON 1/2
 - PON 1/3
 - PON 1/4
- RAX2-LAB
- RAX701
- RAX711-R
- RAX-P

Diagram showing ISCOM5508GP connected to PON 1/1, PON 1/2, PON 1/3, and PON 1/4.

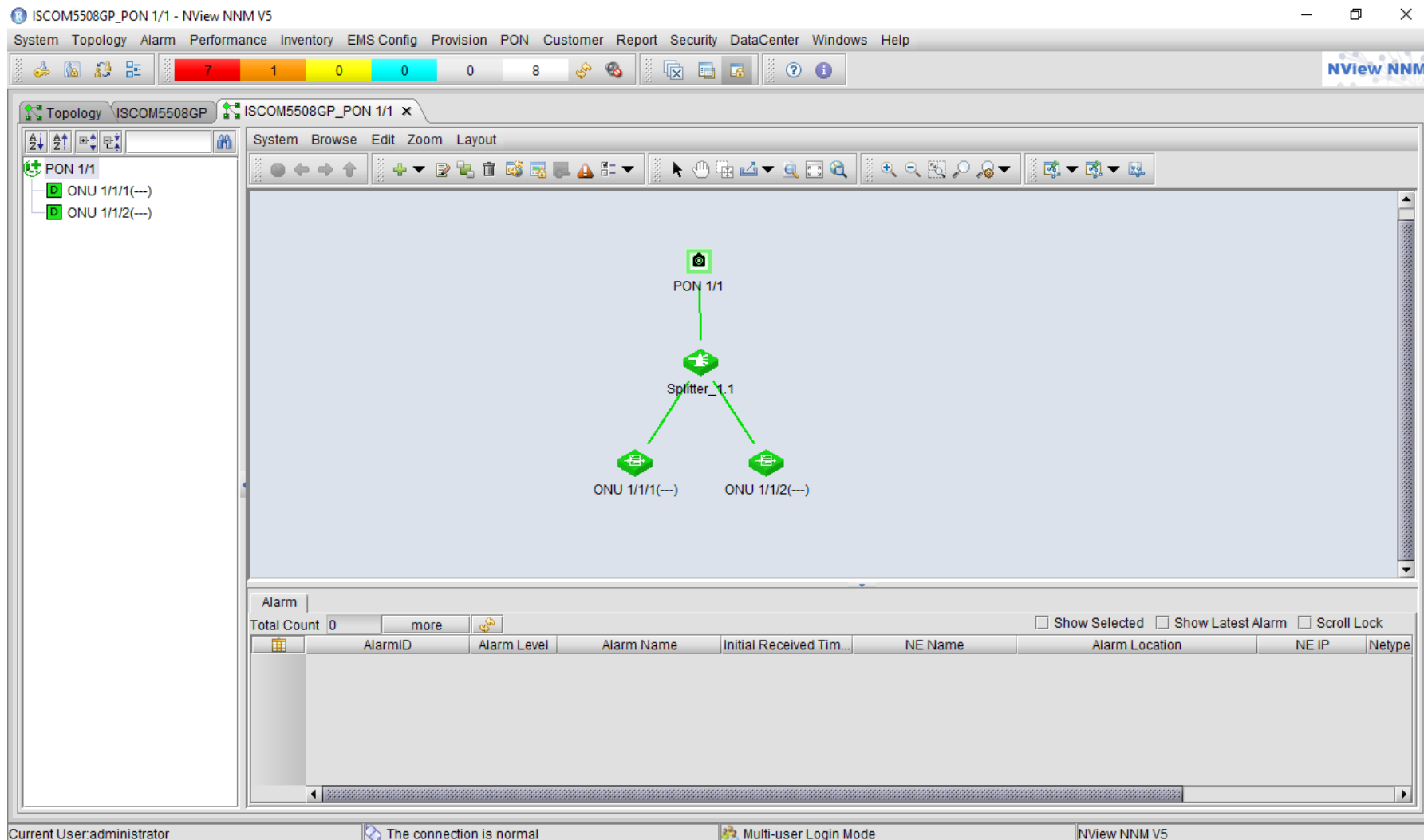
Alarm

Total Count 8 more

☐ Show Selected ☐ Show Latest Alarm ☐ Scroll Lock

	AlarmID	Alarm Level	Alarm Name	Initial Received Tim...	NE Name	Alarm Location	NE IP	Nety
1	77	Critical	communication failure	2016-07-15 09:55:32	[RAX-Petha]		192.168.10.64	RAX
2	78	Major	power module output fault	2016-07-15 10:10:16	[RAX711-R] RAX711-R-4...	Chassis:1 Slot:5 Power:2	192.168.4.28	RAX
3	79	Critical	port link down	2016-07-15 10:10:16	[RAX711-R] RAX711-R-4...	Chassis:1 Slot:2 Port Type:GE Interfac...	192.168.4.28	RAX
4	80	Critical	port link down	2016-07-15 10:10:16	[RAX711-R] RAX711-R-4...	Chassis:1 Slot:1 Port Type:GE Interfac...	192.168.4.28	RAX
5	81	Critical	port link down	2016-07-15 10:10:16	[RAX711-R] RAX711-R-4...	Chassis:1 Slot:1 Port Type:GE Interfac...	192.168.4.28	RAX
6	83	Critical	communication failure	2016-07-15 10:24:32	[192.168.0.1]		192.168.0.1	ITN2
7	84	Critical	communication failure	2016-07-15 10:24:32	[RAX701]		192.168.1.1	RAX
8	87	Critical	communication failure	2016-07-25 17:27:21	[RAX711-R]		192.168.4.28	RAX

Current User:administrator The connection is normal Multi-user Login Mode NView NNM V5



Nview Configurations

ISCOM5508GP - NView NNM V5

System Topology Alarm Performance Inventory EMS Config Provision PON Customer Report Security DataCenter Windows Help

7 1 0 0 0 8

NView NNM

Topology ISCOM5508GP x

Menu List

- OLT Panel View
- OLT Config
 - Basic Management
 - Trap Management
 - Port
 - Port List
 - PON Port Config
 - Port BackUp
 - Transceiver
 - ONU
 - VLAN Config
 - Rate Limit
 - Port Rate Limit
 - Multicast Config
 - QoS ACL QinQ
 - QoS Management
 - ACL Management
 - QinQ Config
 - QinQ ACL Config
 - QinQ Port Config
 - Advanced Management
 - Protect
 - Roap Uplink Port Protect
 - Port Isolation
 - Advance Application
 - Ip Interface Management
 - MAC Address Mangement
 - Port Mirror
 - CLI User

Configuration Panel



Front panel view of the ISCOM5508GP device showing various ports and indicators. The panel includes a power input (100-240V), power output (PWR, ALM, DC -48V 2.0A), system status (SYS, PWR, ALM), and multiple ports (CONSOLE, SNMP, 1 GE, 2, 3, 4, 5, 6, PON, 1, 2, 3, 4).

Total Count 0 Page Size 100 Page Count 0 Page Index 1 Refresh

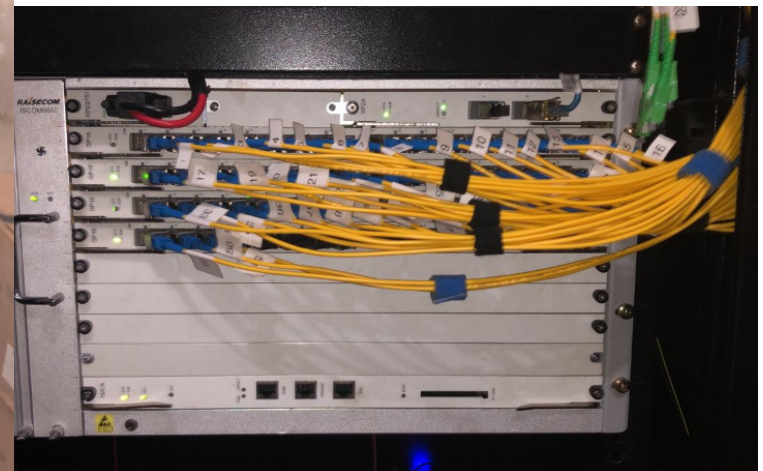
Alarm ID	Level	Alarm Name	First Report Time	Source Name	Location	IP Address
----------	-------	------------	-------------------	-------------	----------	------------

Current User: administrator The connection is normal Multi-user Login Mode NView NNM V5

Cases de sucesso



- Interior de Goiás
- 27 cidades
- +7mil KM Fibra
- +25 Mil Clientes
- +4 Mil ONUs
- +4 OLT's





NewMaster

RAISECOM
www.raisecom.com

Topology - NView NNM V5

System Topology Alarm Performance Inventory EMS Config PON Customer Report Security DataCenter Windows Help

RAISECOM_KBPS_PON 3/4 RAISECOM_KBPS

System Browse Edit Zoom Layout

Network Topo

- RAISECOM_KBPS
- PON 3/1
- PON 3/2
- PON 3/3
- PON 3/4
- PON 3/5
- PON 3/6
- PON 3/7
- PON 3/8
- PON 3/9
- PON 3/10
- PON 3/11
- PON 3/12
- PON 3/13
- PON 3/14
- PON 3/15
- PON 3/16
- WIN-OAHQLOKPLL8
- unplanned_subnet(0)

RAISECOM_KBPS

PON 3/9 PON 3/10 PON 3/11

Alarm

Total Count 1 more

AlarmID	Alarm Level	Alarm Name
1	1	chassis lost

Properties

Acknowledge Clear Selected Locate in Topo Locate in Device

Basic Properties

Alarm Information

Property	Value
Alarm Name	chassis lost
Level	Critical
Alarm Category	Equipment Alarm
Service Affection	No Affection
Operation Status	Not Acknowledged
Alarm Status	New entry
Count	1
First Report Time	2019-05-30 15:35:35
Last Report Time	2019-05-30 15:35:35
Recovery Time	
Response Time	0
Processing Time	0
Lasting Time	0

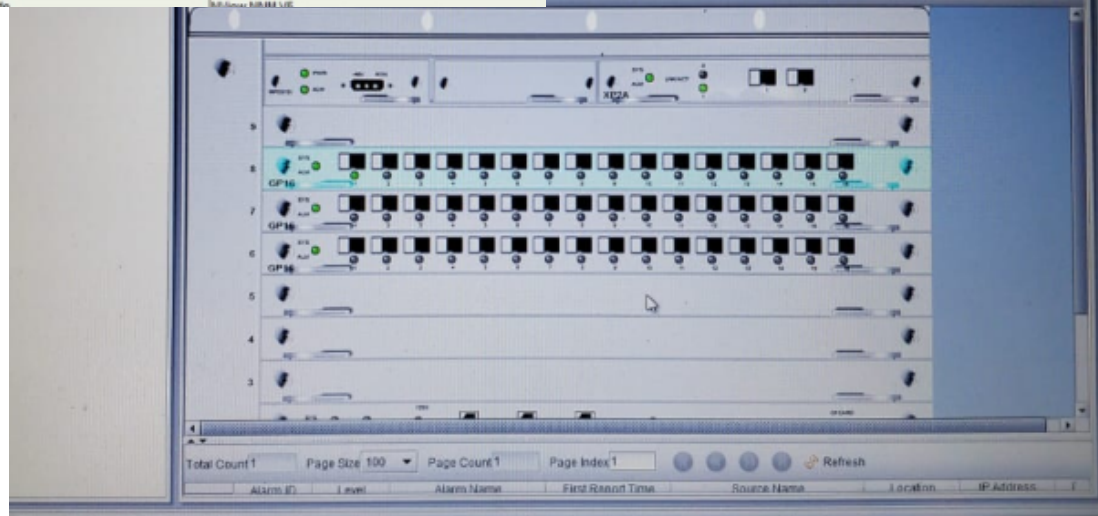
Alarm Source

Property	Value
Source Type	NE
Device Type	ISCOM6820GPSC
Source Name	[RAISECOM_KBPS] Chassis 1
IP Address	202.101.101.1
Location	
Description	

Acknowledgement

Property	Value
ACK User	
ACK Time	

Previous Next Close

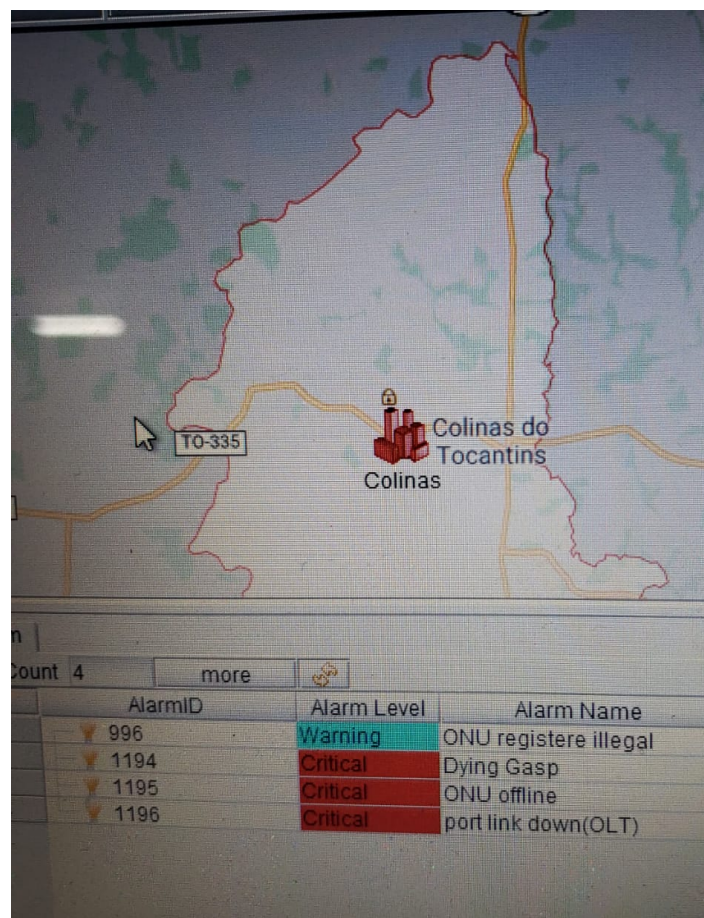


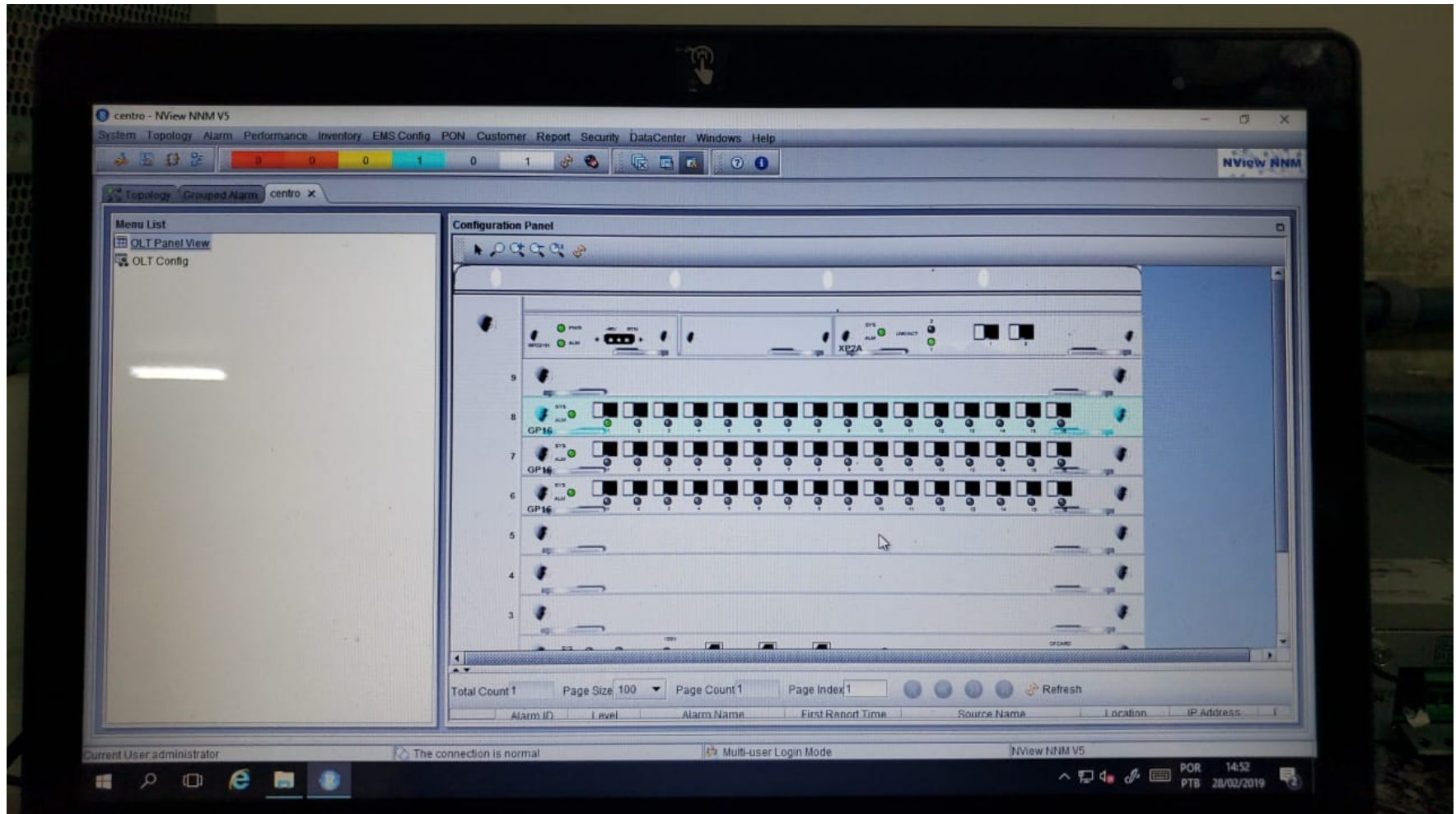
Tocantins

+3 Mil Clientes ativos com Raisecom

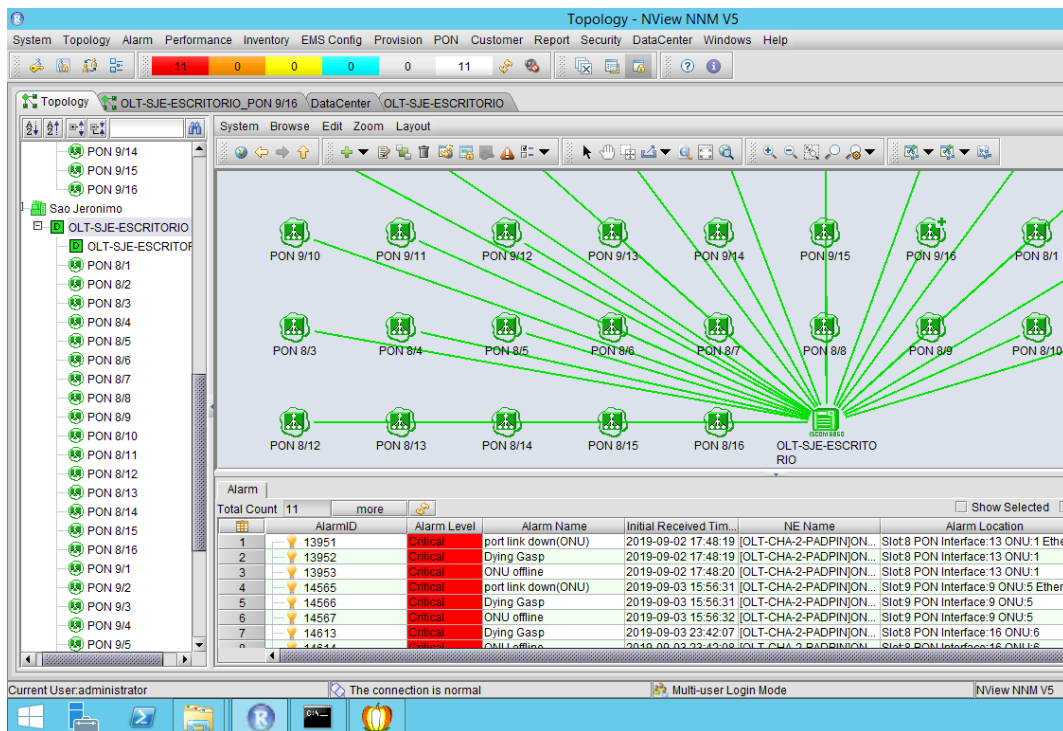
+4 Mil ONUs

+3 OLT's

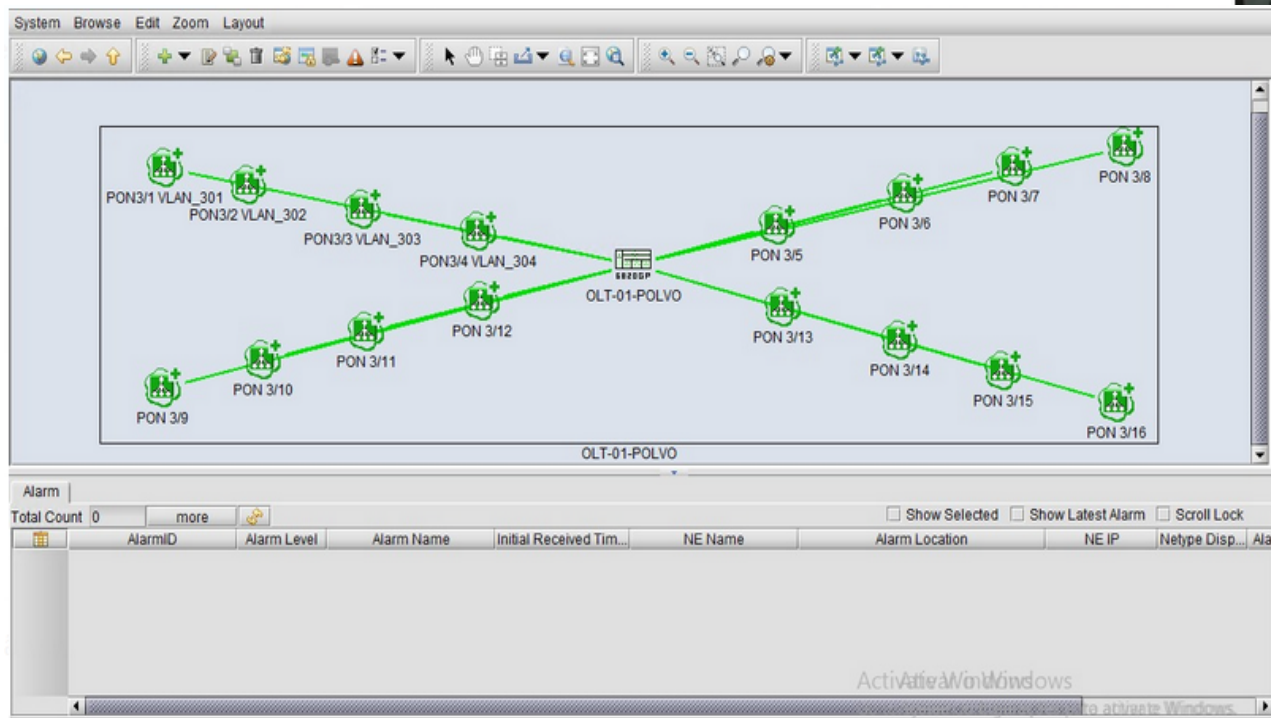




- Taquari - RS
- +1 Mil ONUs
- +3 OLT's



- **Pelotas - RS**
- **+1 Mil ONUs**
- **+2 OLT's**





Value
Proposition

Product
Benefits

Price

Customer
Service

M

O

C

E

S

I

A

R



Certified



Website



Update



Testimonials