

DS 8124 DSLAM 24 PORTS ADSL, ADSL2, ADSL2+, ADSL2++

Key features

- IP DSLAM 1U size
- 24 circuits ADSL2+
- Stack , UP to 5 units , 120 circuits with 1 ip management address.
- 2 Ethernet uplink 10/100/1000BaseT
- 2 SFP slots for 1000 Base-SX, LX, LHX and ZX.
- Double power supply (230VAC and 48VDC)

ADSL modulation

- ADSL, ADSL2, ADSL2+,
- ADSL2++ annex M
- Long Reach ADSL2 Annex L
- ADSL Annex A on PSTN network or campus.

Ethernet Switch

- Level 2 Switch
- Per port VLAN IEEE 802.1q, 4094 VLAN ID, stacked VLAN
- VLAN GARP/GVRP
- Full et Half Duplex, auto

IEEE protocols

- 802.3x Flow Control
- 802.1p QoS
- 802.1d/w Spanning Tree STP et RSTP (*)
- 802.3ad Link aggregation

Remote Client

- DHCP relay, agent option82
- Throughput Control (nx64kbps) 64kbps step.

Video / IP-TV

- IGMP Snooping 256 groups, IGMP proxy for IP multicasting, dynamic and static configuration
- 8 VC ATM per ADSL circuit
- RFC2684—MPoA LLC/VCMUX
- VPN-pass-through
- RFC 2516 PPPoE

Management

- WEB : HTTP and HTTPS
- Telnet/SSH
- CLI (V24)
- SNMP V1/V2c
- Syslog

POTS ADSL

- 24 ports Splitter include
- 2 Telco50 RJ21 Male

Integrate solution for Internet , VoIP, IP-TV providers , hotels and Campus.



Next generation IP DSLAM **DS8124** is designed to provide rich video contents, DSL, POTS and VOIP service over traditional copper wire infrastructure. These types of services will be supported on NGN architecture simultaneously.

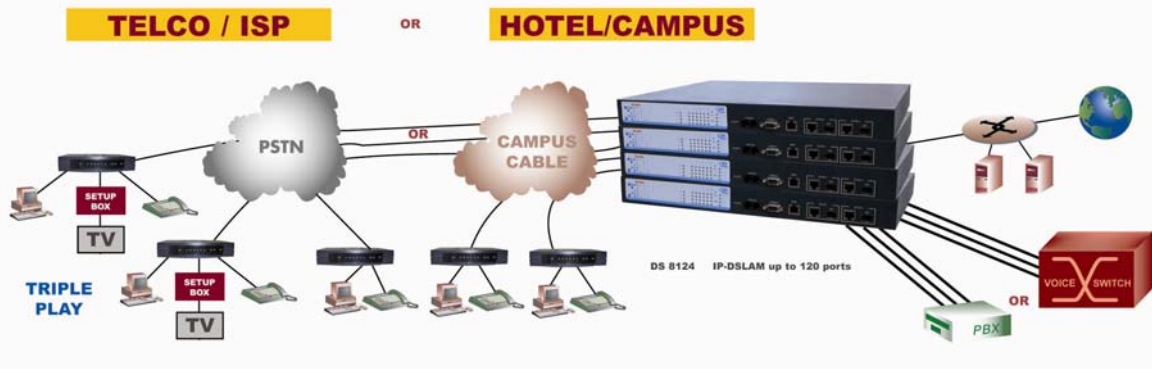
The CXR's **DS8124** contains 24 ADSL2+ circuits to deliver high speed data service over twisted copper pairs using industry standard Discrete Multi-tone (DMT) line coding technology. It complies with full-rate ADSL in accordance with ANSI T1.413 Issue 2, ITU-T G.992.1 (G.dmt), ITU-T G.992.2 (G.lite), ITU-T G992.3 (ADSL2) and ITU-T G.992.5 (G.ADSL2+) standards.

DS8124 products greatly expand

broadband capabilities in access network, enhancing the foundation for emerging services. With simple in-service upgrades, service providers obtain the capacity and Quality Of Services (QoS) to support larger populations of narrowband and broadband users. It also provides the single IP centralized management agent that include fault, performance, configuration, security management and remote upgrade feature. User can also configure it easily by rich user interface such as CLI, Telnet, SSH, SNMP and web browser. dans un réseau privé en

CXR suggest to use following ADSL client modem :

- AD-RT-ETH/USB-X5** : USB and 4 Eth
- AD-RT-ETH/WIFI-X6**: 4 Eth and 1 Wifi



IP DSLAM for Internet/
VoIP/IPTV



ADSL2+

Ethernet Switch on
ADSL

IEEE protocols



Rue de l'Ornette
28410 Abondant
France

Tel. : +33 (237.628.790
Fax : +33 237.628.801
Email: trans@cxr.fr

IP DSLAM SPECIFICATIONS DS 8124

ADSL/ ADSL2+ circuits

- ADSL G.dmt (ITU-T G.992.1)
Downstream : 32 kbps to 8 Mbps
Upstream : 32 kbps to 800 kbps
- ADSL G.lite (ITU-T G.992.2)
Downstream : 32 kbps to 1,5 Mbps
Upstream : 32 kbps to 512 Mbps
- ADSL2 (ITU-T G.992.3)
- ADSL2+ (ITU-T G.992.5)
Downstream: 32 kbps to 25 Mbps
Upstream: 32 kbps to 1 Mbps
- ADSL2++ data rates Annex M
Downstream: 32 kbps to 20 Mbps
Upstream: 32 kbps to 3 Mbps
- Fonction OAM en according to ITU-T G.997.1
ANSI.413 version 2
- Line loop back and diagnostic

Splitter (24 circuits)

- Annex A
- PSTN network or analog modems.

Uplink Interface

- 2 ports Ethernet 10/100/1000BaseT
- 2 slots SFP for fibre optique 1000SX and 1000FX
- Only one port available in the same time.
- Suppliant IEEE802.3 Ethernet, IEEE802.3u FastEthernet, IEEE802.3ab and .3z Gigabit Ethernet

Level 2 switch functionality

- **Switch capacity** : IEEE802.3x flow control, IEEE802.1d bridging, IEEE802.3ad aggregation ADSL link.
- **VLAN** : IEEE802.1p/q support 4094 VLAN ID, stacked VLAN, VLAN per port and tag VLAN GARP/GVRP
- **Multicasting**
IGMP snooping 256 groups, IGMP proxy, dynamic and static configuration
- **QoS** : IEEE802.1p base COS, 4 priority output queues, RFC 2475 DiffServ/TOS
- **DHCP** : DHCP Relay and relay agent option 82
- **Security** : IEEE802.1d/w Spanning Tree STP et RSTP
Packet policy control
- **Rate Limitation** : from 64K to maximum, 64K step.

Internetworking :

- 8 VC ATM per ADSL port
- RFC2684 MPoA LLC/VCMUX.
- RFC2516–8 PPPoE per ADSL port
- VPN pass-through.

Management :

- RS232 and Ethernet
- CLI mode
- Telnet / SSH
- Web HTTP / HTTPS
- SNMP V1/V2c
- 5 units with one ip address (RS485 daisy chain bus)
- Support FCAPS management for EMS
- Syslog, SNMP
- Remote software upgrade
- Remote file backup and restore.

Interfaces

- DB9F RS232 and RJ45 10/100BaseT
- 2 RJ45 (10/100/1000 BaseT) + 2 SFP slots
- Telco RJ21 for DSL port
- Telco RJ21 for splitter port
- 2 RJ11 (RS485) for Daisy Chain
- ACO/RST for alarm cut off and system reset

Operating Requirement

- Temperature : -10°C ~ 60°C
- Humidity : 10~90% (non-condensing)
- EMC/ESD Certification : CE and FCC Part15 Class A
- Safety Certification : CE and EN60950

Dimension :

- Dimension (LxPxH) : 440 x 320 x 44.4 mm 1U 19"
- Weight : 5,2kg
- Power supply DC 60W (-36~-72 VDC) and 60W (90~260 VAC, 50~60Hz)

Purchase reference:

- DS8124-A/2-SP
- CA-TELCO50RJ21F/M-3
- CA-TELCO50RJ21F/NU-3



The information contained in this document are provided without warranty and do not constitute a contractual document. In order to improve its products, CXR reserves its right to modify, without notice, any part of this document and the specification it contains

Distributed by :