



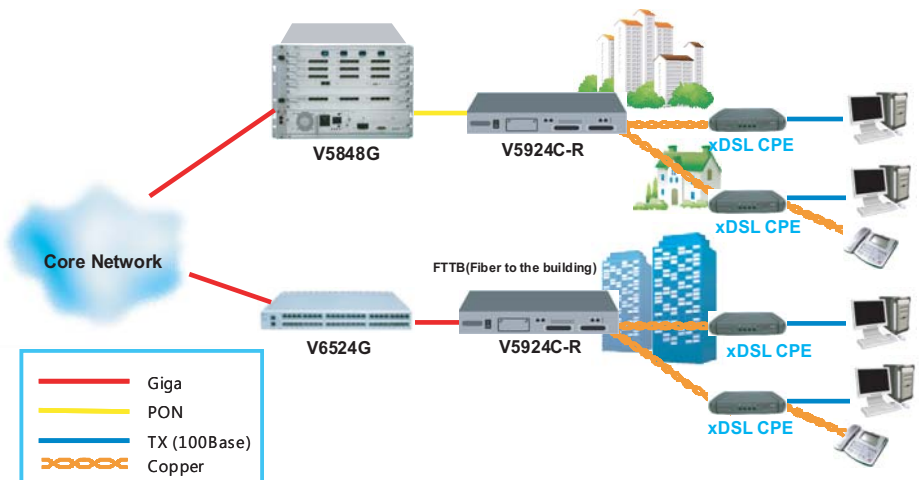
## DASAN Networks V5924C-R

### Symmetric 100/100Mbps 24Port VDSL2 Pizza Box IP-DSLAM

DASAN Networks' V5924C-R supports VDSL2 service interface of high-tech DMT architecture which guarantees the traffic at the speed up to 100Mbps downstream and up to 100Mbps upstream. V5924C-R introduces the VDSL2 technology, which provides up to 100 Mbit/s or long reach Ethernet. The voice bandwidth can still be separated from the data traffic using filters/splitters at the customer premise and central office location. It is an effective broadband VDSL2 Solution of pizza-box type to network environment of entry-level enterprise, mid-market and optional branch office networks to provide high-speed internet service. V5924C-R offers 24-Port VDSL2 service interface and fixed 2-Port 10/100/1000 Base-T and 1-slot for option uplink module. The option module for uplink interface can be selected either 100/1000 Base-X SFP, EPON, or GPON. For VDSL2 solution deployment, V5924C-R supports IP-based DSLAM and VDSL Modem enabling service subscribers to receive broadband multimedia Internet service used for VOD (Video on Demand), on-line gaming, Electronic-business, and so on.

Achieving up to 100Mbps in either direction, VDSL2 is the solution for today's bandwidth hungry applications. On the downside, it takes copper lines shorter than 500 meters, which is less than the average loop length in most of the world, to achieve data rates higher than 50Mbps. This means VDSL2 DSLAMs must be brought closer to subscribers with fiber to the curb(FTTH) architecture. Fiber to the building(FTTB), where VDSL2 runs over legacy in-house cabling, can further boost VDSL2 bandwidth up to 100Mbps symmetrical. V5924C-R is suited for various application forms and locations. It can be used as part of a fiber-to-building solution to supply different customers. It can provide GE uplink according to the fiber technologies on the network side. On the subscriber side, it provides ADSL/2/2+, VDSL2 access.

[Network Configuration]



Network Services with the V5924C-R VDSL IP DSLAM

# DASAN Networks V5924C-R Product Overview

## INTERFACE PARAMETER

VDSL Interface : 24-Port VDSL2 service optional interface(RJ-21)  
Uplink Interface(Fixed, electronic) : 2-Port 10/100/1000Base-T(SFP type)  
Uplink Interface(1 Option Module slot) : 2-Port 100/1000Base-X(SFP type)  
or 1-Port GE-PON and 1-Port 100/1000Base-X(SFP type)  
or 1-Port GPON (SC/APC type) 20Km Class B+

Interface for local management : 1-Port 10/100Base-T  
Serial Interface(Console) : RS232

## COMPREHENSIVE MANAGEMENT AND FLEXIBLE SERVICE

Integrated splitter embodies which is the simultaneous use of VDSL2 service and voice communication service.  
Uses the existing copper infrastructure and bridges the bandwidth gap between fiber and copper while avoiding the cost and time of deploying fiber all the way to the premises.

## ADVANCED VDSL2 FUNCTION

ITU-T G.993.2 (VDSL2)  
ITU-T G.993.1 (VDSL1)  
Functioning Flexible according to media of high position equipment  
Upgrade by developed VDSL2 technology  
- Multi\_channel HDTV, on-line game, video Application, VoIP and Broadband internet access

## QoS FEATURES

Traffic policing and shaping  
SP, WRR, WFQ  
802.1p QoS

## NETWORK MANAGEMENT

Various management tools : CLI (Command Line Interface), SNMP V1/V2/V3  
Spanning Tree Protocol supported  
Port-based VLAN / Tagged VLAN (802.1q) and MAC address restriction per port  
DHCP filtering / Snooping / Option 82, Multicasting (IGMP Snooping/proxy) function

## ADVANCED SECURITY

IEEE 802.1x Port-based Access Control function  
RADIUS(Remote Authentication Dial-In User Service), TACACS+(Terminal Access Controller Access Control System) support

## TRAFFIC MONITORING

Enhanced traffic management, monitoring, and analysis, embedded Remote Monitoring (RMON) monitors  
Packet Classification & Marking and Congestion Management function

## V5924C-R Specification

### Specification

Item	V5924C-R
Flash Memory	Default 40MB (Boot 8MB)
DDR-SDRAM	256MB (MAX. 512MB)
VDSL LINE Port	VDSL Port 24EA, RJ-21 Connector
Uplink Port	Fixed 2-Port 10/100/1000Base-T, RJ-45 Connector 1 Option module slot (2-Port SFP or 1-Port GE-PON + 1-Port SFP or 1-Port GPON)
Console Port	RJ-45 Connector 1EA
MGMT Port	10/100Base-T(RJ-45)
MAC Address	16K
Switching Capacity	12.8Gbps, 13Mpps
Power Consumption	85W(with 2-Port SFP option module) 88W(with 1-Port GE-PON+1-Port SFP)
Power Supply	AC 100 - 120VAC, 50/60Hz
Operating Temp. (°C/°F)	-4°F~140°F (-20°C~60°C)
Storage Temp. (°C/°F)	-40°F~158°F (-40°C~70°C)
Operating Humid. (%)	0 ~ 95% (Non-Condensing)
Dimension	440 x 310 x 55 [W x D x H, mm]

# V5924C-R Specification

Specification	
Standard Protocols	IEEE 802.1d STP IEEE 802.1p QoS IEEE 802.1q VLAN IEEE 802.1w RSTP IEEE 802.3 CSMA/CD IEEE 802.1x Port-based Authentication IEEE 802.3u Fast Ethernet IEEE 802.3ad Link Aggregation IEEE 802.1q VLANs RFC 783 TFTP RFC 1213 MIB II RFC 1215 Traps RFC 1757 RMON RFC 1901 SNMP v2 RFC 3046 DHCP Relay RFC 3195 Syslog RFC 826 ARP RFC 1112 IGMP v1 RFC 2236 IGMP v2 RFC 768 UDP RFC 792 ICMP RFC 1492 TACACS+ RFC 2138 RADIUS Authentication RFC 2139 RADIUS Accounting ANSI T1.424 (VDSL) ETSI 101 952 2-1 (VDSL) ETSI 101 952 2-3 (VDSL) ITU-T G.933.1 Annex F (VDSL) ITU-T G.993.2 (VDSL2)
Ordering Information	V5924C-R :
- BASE	<ul style="list-style-type: none"> <li>- 100M Symmetric VDSL2(All profile support)</li> <li>- Fixed 24-port VDSL interface(RJ-21)</li> <li>- Fixed 2-port 10/100/1000Base-T Uplink and 1-slot option module</li> <li>- 600Ohm POTS Splitter without billing tone.</li> <li>- Fan : Fixed Type</li> <li>- Front access with 1.25U height</li> </ul>
- Uplink Interface Options	2SFPM : 2-port blank SFP uplink module, Hot swappable 1GEP + 1SFPM-10 : 1-port GE-PON and 1-port SFP(Blank)/module uplink module. GE-PON(PX10U) Hot swappable 1GEP + 1SFPM-20 : 1-port GE-PON and 1-port SFP(Blank)/module uplink module. GE-PON(PX20U) Hot swappable 1GPON- : 1-port GPON uplink module, 20Km Class B+
- SFP Options	SFP-GE-SX SFP-GE-LX10 SFP-GE-LX20 SFP-GE-LX40