



IPv6 Ready for Business Continuity

Vigor2830 Series

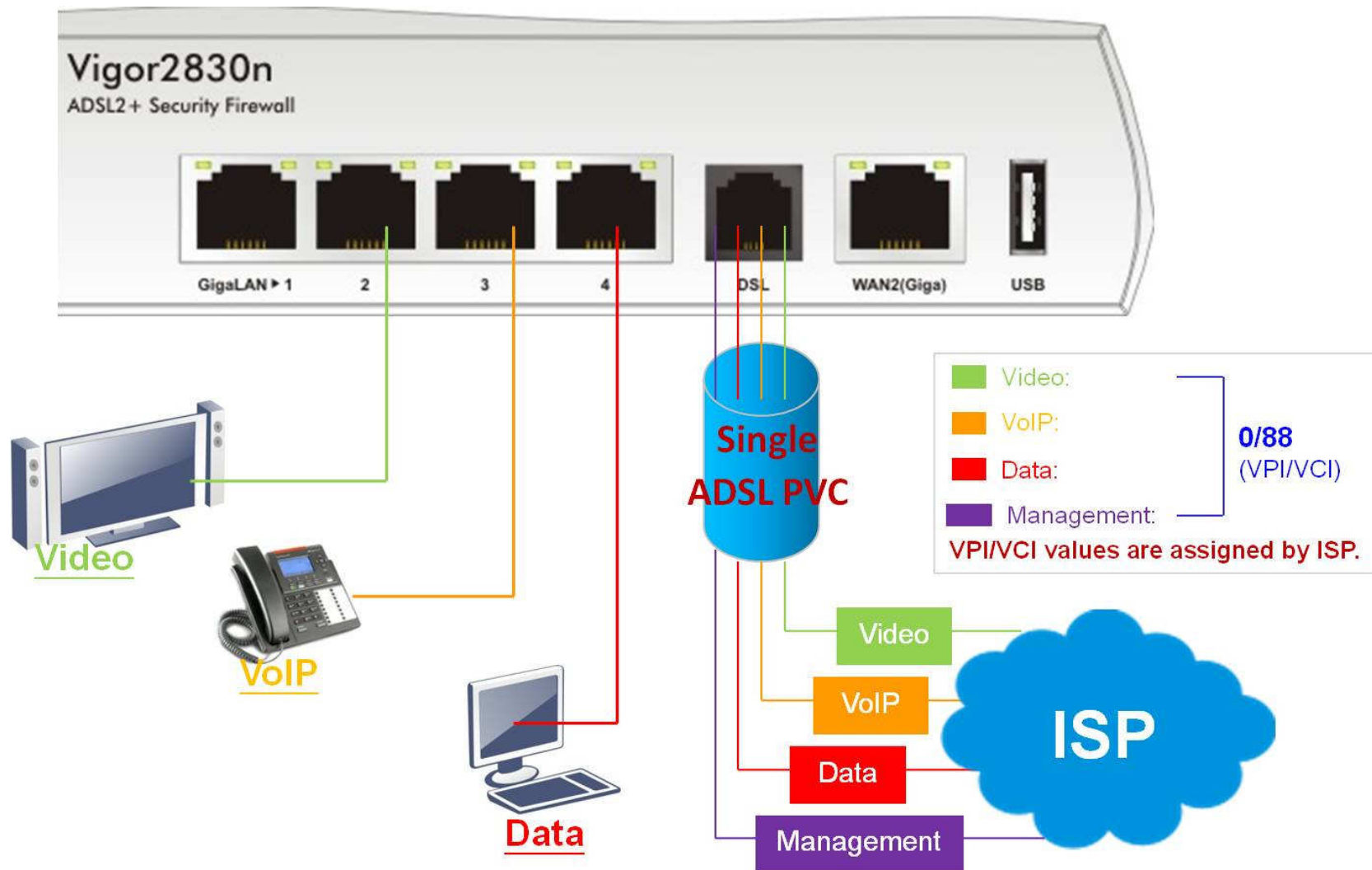
Version 3.6.3

DrayTek Corp



Triple-play by single ADSL PVC - 1

The Vigor2830 Series implements **PVC-to-PVC binding technique** to use **single ADSL PVC** to handle multiple services. (e.g. Internet access/Video/Voice/Management)



Triple-play by single ADSL PVC - 2

The **PVC-to-PVC binding technique** is available in the indicated tab. Users can bind different channels to one PVC. Therefore, the single ADSL PVC (e.g. 0/88) can be applied to multiple services.

WAN >> Multi-PVCs

Multi-PVCs

General	ATM QoS	Port-based Bridge	PVC to PVC Binding/Add Tag	
Channel	PVC Binding		Add Tag	Priority
1.	Disable	<input type="checkbox"/>	0	0
2.	Disable	<input type="checkbox"/>	0	0
3.	Disable	<input type="checkbox"/>	0	0
4.	Disable	<input type="checkbox"/>	0	0
5.	1	<input type="checkbox"/>	0	0
6.	1	<input type="checkbox"/>	0	0
7.	1	<input type="checkbox"/>	0	0
8.	Disable	<input type="checkbox"/>	0	0


Note: Multiple channels may use the same channel link through the PVC Binding configuration.
PVC to PVC Binding only supports PPPoE and MPoA 1483 Bridge mode.

VoIP wizard for V model

The VoIP Wizard helps the settings of VoIP Service Provider selection and Phone account configurations be completed in seconds.

VoIP Wizard

Set VoIP service provider domain

VoIP service provider	<input type="text" value="draytel.org"/> 	<input type="text" value="draytel.org"/> (63 char max).
SIP Port	<input type="text"/>	

Set Account quickly

Phone 1 (default mapping to Account 1)		
Account Number/Name	<input type="text" value="---"/>	(63 char max).
Password	<input type="text"/>	(63 char max).
Phone 2 (default mapping to Account 2)		
<input checked="" type="checkbox"/> use the same Account as phone1		
Account Number/Name	<input type="text" value="---"/>	(63 char max).
Password	<input type="text"/>	(63 char max).

Smart Bandwidth Limit

The administrator only needs to take care the essential devices and others will follow the Smart Bandwidth Limit.

Once over the limited sessions, the TX and RX will be lowered as the punishment.

Bandwidth Limit

Enable
 IP Routed Subnet
 Disable

Default TX Limit: Kbps
 Default RX Limit: Kbps

Allow auto adjustment to make the best utilization of available bandwidth.

Limitation List

Index	Start IP	End IP	TX limit	RX limit	Shared
1	192.168.92.10	192.168.92.20	32M	32M	Y
2	192.168.92.21	192.168.92.21	32M	32M	N
3	192.168.4.10	192.168.4.10	400K	400K	N
4	192.168.2.10	192.168.2.50	300K	300K	Y
5	192.168.3.10	192.168.3.150	200K	200K	Y

Specific Limitation

Start IP: End IP:

Each
 Shared

TX Limit: Kbps
 RX Limit: Kbps

Smart Bandwidth Limit

For any LAN IP Not in Limitation List, whose session number exceeds

TX Limit : Kbps
 RX Limit : Kbps

Note : For TX/RX, a setting of "0" means unlimited bandwidth.

This feature is also available in
Vigor2850 (V3.6.3) – VDSL2
Vigor2920 (V3.6.0) – Broadband

VoIP QoS

Once enabling VoIP QoS, you can ensure the VoIP packets with the highest priority.

Bandwidth Management >> Quality of Service

General Setup

[Set to Factory Default](#)

Index	Status	Bandwidth	Direction	Class 1	Class 2	Class 3	Others	UDP Bandwidth Control	Online Statistics	
WAN1	Disable	10000Kbps/10000Kbps		25%	25%	25%	25%	Inactive	Status	Setup
WAN2	Disable	10000Kbps/10000Kbps		25%	25%	25%	25%	Inactive	Status	Setup
WAN3	Disable	10000Kbps/10000Kbps		25%	25%	25%	25%	Inactive	Status	Setup

Class Rule

Index	Name	Rule	Service Type
Class 1		Edit	
Class 2		Edit	Edit
Class 3		Edit	

Enable the First Priority for VoIP SIP/RTP:

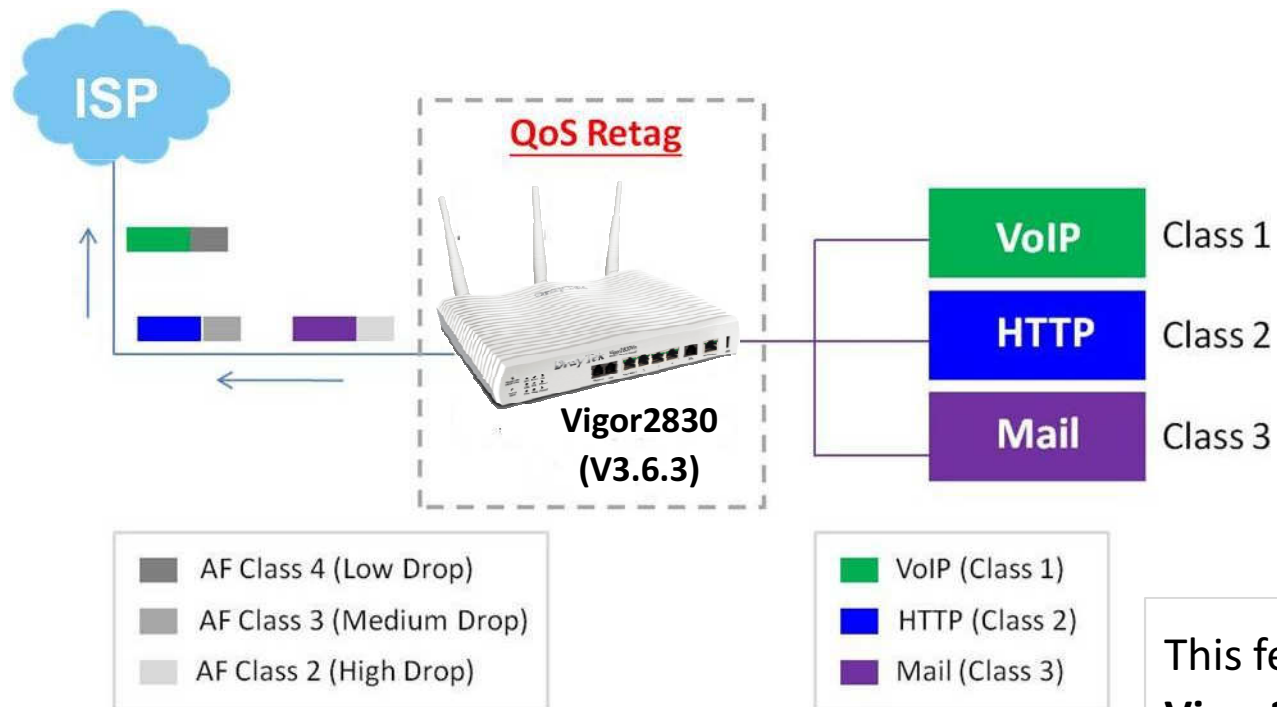
SIP UDP Port: (Default:5060)

OK

This feature is also available in
Vigor2920 (V3.6.0) – Broadband
Vigor2850 (V3.6.3) – VDSL2

QoS Re-tag - 1

QoS re-tag helps another router, normally in ISP site to process applications based on the suitable priority. This feature expands QoS coverage from LAN site to WAN site. Administrator can re-tag applications sending out to ISP and define their priority (tag type based on ISP's provided information) and then the most essential application (e.g. VoIP) will be processed first.



Priority Level based on RFC standard:
 AF Class 4 > Class 3 > Class 2 > Class 1, and then
 Low Drop > Medium Drop > High Drop

This feature is also available in
Vigor2850 (V3.6.3) – VDSL2
Vigor2920 (V3.6.0) – Broadband

QoS Re-tag - 2

Quality-of-Service _ Class Rule _ Rule Edit

Off IR6

Quick Start Wizard
Service Activation Wizard
Online Status
VDSL

WAN
LAN
NAT
Firewall
User Management
Objects Setting
CSM
Bandwidth Management
▶ Sessions Limit
▶ Bandwidth Limit
▶ **Quality of Service**
Applications
VPN and Remote Access
Certificate Management
VoIP
Wireless LAN
USB Application
System Maintenance
Diagnostics

Bandwidth Management >> Quality of Service

Class Index #1

Name Tag packets as: Default

NO	Status	Local Address	Remote Address	DiffServ CodePoint
1	<input type="radio"/> Inactive	Any	Any	ANY

Default

IP precedence 1

IP precedence 2

IP precedence 3

IP precedence 4

IP precedence 5

IP precedence 6

IP precedence 7

AF Class1 (Low Drop)

AF Class1 (Medium Drop)

AF Class1 (High Drop)

AF Class2 (Low Drop)

AF Class2 (Medium Drop)

AF Class2 (High Drop)

AF Class3 (Low Drop)

AF Class3 (Medium Drop)

AF Class3 (High Drop)

AF Class4 (Low Drop)

AF Class4 (Medium Drop)

AF Class4 (High Drop)

Support LAN wired 802.1x.

The administrator can use 802.1x certificate / authentication for both wired and wireless Internet access. The authentication can be done by the external Radius server which you are already in use to save administrator time.

LAN >> Wired 802.1x

Wired 802.1x

LAN 802.1x:
 Enable

802.1x ports:
 P1 P2 P3 P4

Please note that 802.1x enabled LAN ports will support EAPOL authentication for one network device only. Therefore, 802.1x enabled LAN ports will have issues when connecting to a L2 switch. If you want 802.1x support for multiple network devices, please disable 802.1x here and configure 802.1x on the connecting switch. This feature supports PEAP and EAP-TLS.

OK

This feature is also available in
Vigor2850 (V3.6.3) – VDSL2
Vigor2920 (V3.6.0) – Broadband

Support SNMPv3

The SNMPv3 is more secure than SNMPv2 through **the encryption method (support AES and DES)** and **authentication method (support MD5 and SHA)** for the management needs.

The screenshot displays the 'SNMP Setup' configuration page in the DrayTek web interface. The left sidebar shows a navigation menu with categories like 'system maintenance', 'Diagnostics', and 'Support Area'. The main content area is titled 'SNMP Setup' and contains the following configuration options:

- Enable SNMP Agent
 - Get Community: public
 - Set Community: private
 - Manager Host IP(IPv4): [Empty field]
 - Manager Host IP(IPv6): [Empty field]
 - Trap Community: public
 - Notification Host IP(IPv4): [Empty field]
 - Notification Host IP(IPv6): [Empty field]
 - Trap Timeout: 10
- Enable SNMPV3 Agent
 - USM User: [Empty field]
 - Auth Algorithm: MD5
 - Auth Password: [Empty field]
 - Privacy Algorithm: DES
 - Privacy Password: [Empty field]

At the bottom of the sidebar, there is a 'Logout' button and the text 'All Rights Reserved.' The status bar at the very bottom indicates 'Admin mode Status: Ready'.

Customized DDNS Service Provider

By choosing "Service Provider" as "Customized" and writing DDNS update pattern, the administrator can add local DDNS service provider by him/herself.

The screenshot displays the DrayTek web management interface. On the left is a navigation menu with options like 'Quick Start Wizard', 'WAN', 'LAN', 'NAT', 'Firewall', 'User Management', 'Objects Setting', 'CSM', 'Bandwidth Management', 'Applications', 'Dynamic DNS', 'Schedule', 'RADIUS', 'UPnP', 'IGMP', 'Wake on LAN', 'SMS/Mail Alert Service', 'VPN and Remote Access', 'Certificate Management', and 'VoIP'. The 'Dynamic DNS' option is selected. The main content area is titled 'Index : 1' and shows the configuration for a Dynamic DNS Account. The 'Enable Dynamic DNS Account' checkbox is checked. The 'WAN Interface' is set to 'WAN1 First'. The 'Service Provider' dropdown menu is highlighted with a red box and set to 'Customized'. Other fields include 'Provider Host', 'Service API', 'Auth Type' (set to 'basic'), 'Connection Type' (set to 'Http'), 'Server Response', 'Login Name' (with a '(max. 64 characters)' limit), 'Password' (with a '(max. 23 characters)' limit), 'Wildcards' (checkbox), 'Backup MX' (checkbox), 'Mail Extender', and 'IP Source' (set to 'WAN IP').