

# Vigor**IPPBX** 2820

## Integrated professional IPPBX

Interfaces	LAN 1 x 10/100/1000 Mbps port 3 x 10/100 Mbps port
	WAN 1 x ADSL2/2+ modem 1 x 10/100 Mbps ethernet WAN port
	Telephony 1 x Phone RJ-11 1 x Line RJ-11 2 x Configurable (NT/TE), RJ45
	USB poort voor - Printerpoort - USB 3.5G UMTS / HSDPA modem aansluiting

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IPPBX Features	50 IP phone registrations (SIP) BLF (Busy-Lamp Field) (Work with VigorPhone 350**) Hunting group IVR Calendar Dial plan (Digit Map) Extension monitor Call detail records DID Extension privilege assign PIN code control Call barring, call routing, call park **, call pickup User-defined prompts Automated attendant Voice message to e-mail Voicemail MWI (Message Waiting Indicator) Music on Hold
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IPPBX basics	50 SIP accounts (extensions) Registration and authentication Protocol : SIP, RTP / RTCP 6 SIP trunks G.168 Line Echo-cancellation Automatic Gain Control Jitter Buffer (180ms) Codec Feature: G.711 G.723.1 G.726 VAD / CNG DTMF Tone: In Band / Out Band (RFC-2833) / SIP Info Fax/modem support: Tone detection G.711 pass-through In/outbound call through ISDN TE interface PSTN loopthrough
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WAN protocols	ADSL protocols MPoA ( RFC 2684 / RFC 1483) PPPoA ( RFC 2516 , 2364 ) PPPoE pass through LAN PPPoE / PPPoA Relay Bridge functie voor MPoA ADSL Compatibility ANSI T1.413 Issue 2 G.dmt G.lite ADSL2 G.dmt.bis ADSL2+ Annex L (READSL) Annex M Multi PVC Ethernet WAN DHCP Client Static IP PPPoE PPTP
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Dual WAN (Ethernet/3G)	Outbound Policy-Based Load-Balance BoD (Bandwidth on Demand) WAN Connection Fail-over
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Firewall Features CSM (Content Security Management) for IM / P2P  
Application and URL/Web content filter  
Multi-NAT , DMZ Host , Port-Redirection and Open Port  
Object Based Firewall  
SPI (Stateful Packet Inspection) (Flow track)  
DoS / DDoS Protection  
IP address anti-spoofing  
E-Mail Alert and Logging via Syslog  
Bind IP to MAC Address

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VPN 32 VPN tunnels  
Supported protocols:  
PPTP  
IPSec  
L2TP  
L2TP over IPSec  
DHCP over IPSec  
Encryption methods:  
MPPE  
hardware-based AES / DES / 3DES  
Hardware based authentication methods  
SHA-1  
MD5  
IKE authentication  
pre-shared key  
digital signature ( X.509 )  
NAT-Traversal (NAT-T)  
Dead Peer Detection (DPD)  
VPN pass-through

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Routing Support RIPv2  
Static Route

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ISDN (S-model) Two configurable ISDN NT/TE  
Euro ISDN compatible  
Automatic ISDN backup (port 2 only)  
Support 64/128 Kpbs (Multi-Link PPP) / BoD  
(Bandwidth on Demand)  
Remote dial-in / LAN-to-LAN connection  
Remote activation  
On-Net/Off-Net

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USB 3,5G (HSDPA as second WAN)  
Printer sharing

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Network Features Port-based VLAN  
DHCP Server / client / relay  
IGMP proxy  
Dynamic DNS  
NTP client  
Call scheduling  
RADIUS client  
DNS cache / proxy  
UPnP

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Bandwidth Management QoS  
Guarantee Bandwidth for VoIP  
Class-based Bandwidth Guarantee by User-defined Traffic Categories  
DiffServ Code Point classifying  
4-level Priority for each Direction (Inbound / Outbound)  
Bandwidth Borrowed  
Bandwidth / Session Limitation

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Management Web-based user interface ( HTTP / HTTPS )  
Quick Start Wizard  
CLI ( Command line Interface, Telnet )  
Administration access control  
Configuration backup / restore  
Built-in diagnostic function  
Firmware upgrade via TFTP / FTP / HTTP / TR-069  
Logging via Syslog  
SNMP management MIB-II  
TR-069  
TR-104

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Power DC 15V  
Max. Power 18 Watt