

Internet Connections

Internet is available in various connection methods today.

Everyday newer and newer technology is available.

The common ones that are in use at the moment are :-

- Dialup (Normal Modem)
- ISDN
- ADSL
- Diginet
- Cell Phone (GPRS, EDGE, 3G)
- Wireless (Iburst "WBS", Sentech)

The costs, pros, and cons are listed below to show cost effectiveness.

	Dialup	ISDN	Diginet
Installation Price (Once Off)	R0-00	R0-00	R0-00 (Depending on ISP)
Telkom Monthly Price	R78-00	R105-00 (64K) R180-00 (128K)	R3100-00 (per 64K) +R2500-00 (depending on option)
Telkom Line Installation (Once Off)	R250-00	R550-00	R6500-00
Price per Hour of Online connection	R22-00 peak R14-00 off peak	R22-00 peak R14-00 off peak	R0-00
Pro's	Availability	Speed, Use voice/fax/data simultaneously, In most cases ISDN is better for a business environment due to the fact that in can be controlled when people can log on to the internet via a router.	Permanent Connection, Speed, Reliability. Fixed IP Address.
Con's	Speed, Costs because of Speed,	Costs because if mismanaged it can be extremely expensive	Costs
Connection Speeds	<48Kbps	64/128Kbps	>64Kbps (Depends on type of account)
Actual download speeds	<6Kbps	<64/128Kbps	>64Kbps (Depends on type of account)
Price of Modems	Internal R120-00 External R285-00	Internal R450-00 External R1250-00 Routers R tbc	Price to be confirmed from Telkom, however routers can be rented

ADSL				
Telkom Monthly Price	Home DSL			
	R270-00 (192Kbps)	R359-00 (384Kbps)	R477-00 (512Kbps)	R680-00 (1024Kbps)
	Business DSL			
			R477-00 (512Kbps)	R680-00 (1024Kbps)
Telkom Line Installation (Once Off)	R404-00			
Price per Hour of Online connection	R0-00			
Pro's	Speed - ADSL is extremely fast. Use voice/fax/data simultaneously.			
Con's	Not fixed IP Address. Reliability (Telkom does not guarantee the line), However it is always being improved. Hard Capping on accounts can cause problems, however larger caps can be purchased. Capping is on Data both IN and OUT. Cannot be used through a switchboard.			
Connection Speeds	192Kbps	384Kbps	512Kbps	1024Kbps
Actual download speeds	192Kbps Downstream 96Kbps Upstream	384Kbps Downstream 192Kbps Upstream	512Kbps Downstream 256Kbps Upstream	1024Kbps Downstream 512Kbps Upstream
Price of Modems	USB from R550-00 Ethernet from R799-00			

Cell Phone (Must be compatible Cell Phone)			
	GPRS	Edge	3G
Installation Price (Once Off)	Purchase of Cell Phone (If client does not have one)		
Cell Phone Provider Monthly Price	R0-00 (Can vary if Data Bundle Packages are purchased)		
Line Installation (Once Off)	R0-00		
Price per Hour of Online connection	R0-00		
Price per Megabyte of Online connection	R2-00/Mb (Can be cheaper if Data Bundle Packages are purchased)		
Pro's	Portability, Accessibility, Speed.		
Con's	Speed, Cost (Will improve as time goes on).		
Connection Speeds	Upto 170Kbps	Upto 235.6Kbps	From 384Kbps to 2Mbps

	Wireless (Iburst)		
	I-Go Lite	I-Go	iBurst Gig 1
		Buy/Rent Price	Buy/Rent Price
Activation Fee (Once Off)	R114-00	R114-00/R456-00	R114-00/R456-00
Monthly Price (Excl. Modem)	R195-00	R299-00/R399-00	R469-00/R599-00
Additional 1Gb	R229-00	R229-00	R179-00
Additional 3Gb	tbc	tbc	R439-00
Price per Hour of Online connection	R0-00	R0-00	
Pro's	Portability, Accessability, Speed.		
Con's	Speed, Cost (Will improve as time goes on). Dependant on Coverage.		
Connection Speeds	Upto 1Mb		
Price of Modems	UTC R2100-00 (PCMCIA) / UTD R2500-00 (UBS/Lan)		

	Wireless (Iburst)		
	iBurst Gig 3	iBurst Gig 6	iBurst Gig 9
	Buy/Rent Price	Buy/Rent Price	Buy/Rent Price
Activation Fee (Once Off)	R114-00/R456-00	R114-00/R456-00	R114-00/R456-00
Monthly Price (Excl. Modem)	R599-00/R699-00	R899-00/R1029-00	R1099-00/R1229-00
Additional 1Gb	R159-00	R149-00	R139-00
Additional 3Gb	R399-00	R379-00	R349-00
Price per Hour of Online connection			
Pro's	Portability, Accessability, Speed.		
Con's	Speed, Cost (Will improve as time goes on). Dependant on Coverage.		
Connection Speeds	Upto 1Mb		
Price of Modems	UTC R2100-00 (PCMCIA) / UTD R2500-00 (UBS/Lan)		

	My Wireless Flexi (Sentech)		
	Flexi 200	Flexi 500	Flexi 1000
Contract 24 Months	R299-00	R399-00	R549-00
Contract 31 Day Notice	R199-00	R299-00	R449-00
Free Data Allocation (Mb)	200Mb	500Mb	1024Mb
Modem Cost	R2600-00 (On 31 Day Notice Contract)		
Additional Data per Mb	R1-00/Mb		
Pro's	Portability, Accessability, Speed.		
Con's	Speed, Cost (Will improve as time goes on). Dependant on Coverage.		

	My Wireless Flexi (Sentech)		
	Flexi 3000	Flexi 5000	Flexi 10000
Contract 24 Months	R799-00	R1099-00	R2099-00
Contract 31 Day Notice	R699-00	R999-00	R1999-00
Free Data Allocation (Mb)	3072Mb	5120Mb	10240Mb
Modem Cost	R2600-00 (On 31 Day Notice Contract)		
Additional Data per Mb	R1-00/Mb		
Pro's	Portability, Accessability, Speed.		
Con's	Speed, Cost (Will improve as time goes on). Dependant on Coverage.		

**** Please note that above pricing excludes ISP Costs. ****
**** Latest Telkom Pricing is available from www.telkomsa.net ****
**** Latest MTN Pricing is available from www.mtn.co.za ****
**** Latest Vodacom Pricing is available from www.vodacom.co.za ****
**** Latest Iburst / WBS Pricing is available from www.iburst.co.za ****
**** Latest Sentech Pricing is available from www.sentech.co.za ****

Shaped and Unshaped ISP Accounts

Shaped ADSL

Shaped ~ In layman's terms, the shaped service prioritises keystroke activities - things you do while sitting in-front of your PC. So when you're surfing your favourite site, doing your banking or checking you e-mail, this option will work best for you. For those of you that need to know more, read on. The shaped service distinguishes between the various protocols used over the Internet. The main priority is HTTP. At present, all international HTTP traffic is transparently cached for ADSL users. All international un-cached data is shaped. The following un-cached protocols are prioritised on the network: HTTP (in certain cases HTTP is not cached due to website incompatibilities), HTTPS, FTP, Mail (POP3, SMTP and IMAP), SSH and TELNET. Any protocol not mentioned above will receive a lower priority on the network.

Unshaped ADSL

Unshaped ~ In layman's terms, whichever activity you are doing or leaving your PC to do, while not there, all available bandwidth will be used for this application or protocol. This service will offer you unshaped international bandwidth and a higher data transfer rate. The unshaped service will not shape the un-cached protocols. All protocols will therefore share the available bandwidth equally. Similarly, local bandwidth will remain as is with no shaping implemented. Keeping this in mind, this service is typically designed for a niche market including, for example, your typical Forex Trader, specific gaming applications, secure work from home options and VPN's. All these applications can use unfamiliar protocols, which are not necessarily bandwidth intensive but require an unshaped service to work optimally.

**** Please note that the above information is compiled from various Internet websites as an information base only. It is upto the customer to decide which is there best solution. The information is copyright to the respective owners.**