

Industrial Routing

6540 – ADSL / V.DSL -Fibre - 4G



The 6540 is an industrial specification router operating from -40C to +75C without fans and capable of supporting, Fibre, V.DSL, ADSL with Cellular back up, and high levels of security.



Fact sheet

Hardware

WAN Ports

- 1 x GBIC / SFP /100 / 1000
- 1 x V.DSL / ADSL
- Cellular (Option)

VDSL 2E

- ITU-T-G.993.1& G997.1
- ITU-T G993.2 (5 Band 17a)
- ITU-T G.993.5 (VDSL2 vectoring)

ADSL2+ (Full rate ANSI T1.413)

- ITU G.992 (G.dmt)
- ITU G.992.2 (G.Lite)
- ITU G.994 (G.hs)
- ITU G992.3 (G.dmt.bis)
- ITU G.992.5
- Support for Annex A / L / M

Ethernet Ports

- 2 x 100 / 1000 (Fibre – GBIC)
- 4 x 10/100/1000 PoE / PoE+ Ports

Cellular Option

- LTE / 4G / 3G Option
- Quad band GSM 850,900,1800, 1900Mhz
- HSDPA / EDGE / GPRS Operation
- Dying Gasp Alarm

Housing

- DIN Rail, Rack Mount
- IP 30
- 189(h) x 60(w) x 153(d) (Vertical)
- 189 (w) x 60(h) x 153(d) Horizon

Operating Temperature

- 40C ~ +75C

Power

- 24 ~ 75vdc
- If using POE: 48vdc

Software

WAN Services

- EoA (VC Mux / LLC Snap)
- PPPoA (VC Mux / LLC Encapsulation)
- IPoA (VC Mux / LLC Snap routing)
- PPPoE (Bridging)

Routing

- Static
- RiP v1 /v2
- OSPF
- BGP
- IPv4 / IPv6
- Policy based routing

Tunnelling

- IP Sec (3 DES, AES 256)
- Authentication X.509 or Pre-shared key
- Open VPN
- GRE Tunnelling

Access Security

- Stateful inspection firewall
- NAT & Full Cone NAT
- Port Triggering
- Forward to DMX Host
- IP & MAC Filtering
- MAC Filtering (Bridging Mode)
- IEEE 802.1x Port Based Security
- Protected ports
- Access Restriction
 - User name
 - Mac address
 - Date / Time
 - URL Filte

Bridging

- Multiple spanning tree – up to 16
- Multiple path bridging

Software continued

Port Aggregation

- Aggregate up to 4 ports

Quality of Service

- DSCP
- Queue Set up to ATM x 16 modes
- PTM x 8 Modes
- 4 Queues for Ethernet Traffic
- 32 Classes of Traffic
- IGMP Support
- Rate Control Ingress / Egress

VLANS

- Port based VLANS
- Tagged only VLANS
- Mixed Mode Tagged & Untagged
- Automatically attach a tag
- Double Tagging
- Protocol Assignment of VLAN
- Assignment by IP or MAC Address

IGMP Snooping v2 / v3

DHCP Server

Multicast – PIM-SM

Management

- Local and Remote Access
- CLI – SSH
- SNMP v1 / v2 / v3
- Port Mirroring
- Event Scheduler
- Trace Route
- Ping Facility
- Bert Tester
- Cellular data cut off
- TR069
- Comprehensive Statistics

Ordering Information	6540 Router	6540+ PoE	6540 + Cellular BU	6540+PoE+ Cellular BU
	6540	6540-P		6540-CP