

Industrial Routing

6540 – ADSL-V.DSL – Fibre router



The 6540 is a Fan less industrial router capable of supporting Fibre, V.DSL and ADSL, with Cellular back up and Wi-Fi options and high levels of security.



FACT SHEET

Hardware

WAN Ports

- 2 x GBIC / SFP 100/1000 ports
- 1 x ADSL / V.DSL port

ADSL Full rate ANSI T1.413

Issue 2

- ITU G.992 (G, dmt)
- ITU G.992.2 (G. Lite)
- ITU G.994 (G. hs)
- ITU G.992.3 (G.dmt. bis)
- ITU G.992.5
- Support Annex A/L/M

V.DSL2E

- ITU-T G.993.1 & G997.1
- CO / CPE Selection

Ethernet ports

- 2 x 10/100/1000 Mbps (GBIC)
- 4 x 10/100 PoE / PoE+ ports
- Internal Ethernet Switch

USB port

- Back-up and restore

Cellular – Option Module

- 2G/3G/4G/LTE Option module
- Quad band GSM 850, 900, 1800, 1900Mhz
- HSDPA/EDGE / GPRS operation

Relay contacts

- Dry Relay input
- Dry Relay output

Dying Gasp alarm

Housing

- DIN and Rack mount IP 30

Operating Temperatures

- 40C ~ +75C - Fanless

Power

- 24 ~ 48vdc
- (PoE 48vdc)

Software

WAN Services

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

Routing

- IPv4 & IPv6
- RIP v1, / v2
- RIPng
- Policy based routing

Tunnelling and encryption

- IP Sec VPN tunnels (3DES, AES 256)
- Open VPN
- Authentication X509 or pre-shared
- GRE Tunnelling

Access Security

- Statefull 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 by
 - User name
 - Mac Address
 - Date / Time
 - URL Filter

Bridging

- Multiple Spanning Tree - up to 16
- Multiple path bridging

Port aggregation

- Aggregate up to 4 ports

Quality of Service

- DSCP
- Queue Set up 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
- Mixed Mode tagged and 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
- Browser
- SNMP v1/v2/v3
- Port mirroring
- Event scheduler
- Data Monitoring facility
- Trace Route
- Ping Facility
- BERT tester
- Cellular data cut off
- TR069 – Phase II
- Two memory locations – live / standby
- Comprehensive statistics

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