



CMC Networks (Pty) Ltd

Product Sheet

sat-X Product Set

Definition: sat-X: CMC Network's product set of satellite based circuits used to establish connectivity to a broad spectrum of overlaying products.

The sat-X product set comprises:

- MPLS Networking
- AToM
- IPL Connectivity
- Dedicated Internet Access
- Broadband Internet Access
- Resilient Access

This product set may not be available for all countries.

Please contact our sales team to confirm availability of this service in your country.



sat-X

MPLS
 Hosting
 Internet
 Compliance
 Data Centers
 Cisco Product
 Disaster Recovery



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Global Reach Networks

FROM THE MIDDLE OF THE OCEAN TO THE DRIEST OF DESERTS – WE CONNECT

Whilst the world around us changes daily and connectivity has become an essential business tool, there are many regions that do not have this privilege, and this impacts on your ability to provide services and product, into the places that need them most. CMC Networks specializes in delivering guaranteed speeds and connectivity into these regions, across a broad range of products.

Many of the regions serviced by CMC are difficult operational environments, including developing countries' infrastructures, difficult legislative environments and politically unstable countries. CMC Networks has operated in these environments since 1989 and has a strong working knowledge of the same and can thus advise you of the correct circuit type. In country support is paramount to any solution provided.



WHOLESALE

EXTEND YOUR NETWORK AND

SERVICE OFFERINGS FOR HARD TO

REACH LOCATIONS.

CARRIER NNI'S ARE AVAILABLE FOR

HAND OFF OF YOUR CLIENTS

CIRCUITS ONTO YOUR NETWORK.

PLEASE CONTACT US FOR

WHOLESALE AGREEMENTS AND MORE

INFORMATION

sat-X - The World at your fingertips...

TECHNOLOGIES AVAILABLE

CMC Networks delivers satellite connectivity using various satellites on the C-Band platform with L-Band equipment

MPLS / VPLS	SCPC/SCPC SCPC/DVB
Internet	SCPC/DVB
IPLC	SCPC/SCPC

EQUIPMENT OPTIONS

Modems / Hubs	
iDirect	Africa and Middle East
Comtech, Radyne, Paradise	Global
Dishes	Spec to link size (1.8 – 9.6m)
BUC's	Spec to link size (2W – 80W)

PRESENTATION OF CIRCUITS

This is merely a guideline and may vary between countries

MPLS Full Circuit	Ethernet RJ45
MPLS NNI	Ethernet RJ45
IPLC <2Mb	X21

TECHNOLOGY CONSULTING PROVIDES THE RIGHT SOLUTION, FIRST TIME

LANDING POINTS

Dependent on the type of connectivity required (and overlaying product), the location and budget, CMC Networks can either provision point to point circuits directly between any two points, alternatively drop the circuit into an earth station.



You may choose to have the circuit terminated into one of the CMC regional data networks, alternatively into the global network. These Earth Stations are located in the USA, UK, Germany and Hong Kong. For pure internet connectivity, CMC will break you out of the earth station directly onto the internet. Various SLA's, contention ratios and QoS profiles are provisioned across these circuits. This ensures our ability to provide both cost effective and premium business circuits.

These options include:

SLA	Contention	MPLS QoS
• Platinum	Dedicated	Platinum-V (VoIP)
• Gold	3:1	Platinum
• Silver	6:1	Gold
• Bronze		Silver
		Bronze



sat-X MPLS

This product provides MPLS enabled circuits over the satellite network, connecting to CMC's private AS Network. All traffic remains on-net end to end and ensures profiled connectivity to the rest of the clients MPLS Network. Full QoS profiles are available. All MPLS bandwidth is dedicated



sat-X INTERNET

Two basic Internet connectivity options are available on the SAT-X networks, including DIA and broadband. The broadband service is asymmetrical with a contention ratio of 6:1, thus providing a high speed service at a cost effective rate. The DIA service is guaranteed 1:1 and drops directly onto the internet backbone either in the UK or the USA.



sat-X IPL

These circuits are point to point and can be established across various platforms. Where multiple technologies are incorporated (e.g.: VSAT to leased line), The IPL is established using frame technology and applying the relevant PVC. For dedicated IPL's, an SCPC/SCPC VSAT connection is deployed on each end of the circuit.

