MD202 Cross-Connect

– for flexible, future-proof and profitable
private and leased-line circuits

Access

MD202

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As operators strive to keep pace with the seemingly insatiable bandwidth demands of new multimedia applications, they need to pause and address other demands. High on their list is the increasing demands placed on leased-line and managed private circuits.

These circuits are far from obsolescent. Demand is increasing. But their role is changing: in today's business environment the emphasis is on data, not voice services. Customer expectations are also changing: they expect guaranteed service.

To satisfy increasing demand, to keep up with changing requirements, to meet customer expectations, operators need a technology leap. They need the Marconi **MD202**: one of the Marconi Access solutions that have helped us become one of the world's leading access suppliers.

The **MD202** continues Marconi's history of innovation. It provides the technology leap. The functionality and space-saving design of the **MD202** gives operators a number of benefits, including reduced operating costs and guaranteed service availability.

The Marconi **MD202** can also expand and improve your existing circuits and provide more-flexible and faster service provision. Let's see how the **MD202** achieves this.

Advantages and benefits at a glance

- Electronic distribution frame speeds-up service provisioning, improves customer service and reduces operating costs
- Grooming and consolidation optimise use of existing circuit capacity
- Protection and redundancy features guarantee service availability

- Small footprint frees-up space in equipment rooms
- Modularity offers improved cashflow control
- Management system maximises efficiency and minimises costs
- Compliance with TMF and ITU-T standards guarantees future-proofing through scalable, flexible architecture and standardised open interfaces.

Compactness

In many of today's equipment rooms, space is at a premium. Marconi's ingenuity makes the **MD202** the world's most compact, high-capacity, 1/0 digital cross-connect. Deploying the **MD202** in your network frees-up valuable space for your next-generation broadband equipment. A traditional leased-line cross-connect of a quarter of the **MD202** capacity would typically be over four times its size.

Flexibility

When you expand your network you want to do so in a controlled manner: You don't want to pay for unused capacity. The flexibility of the **MD202**'s modular design means you can have the capacity you need now, whilst allowing for further expansion in the future, providing improved cashflow control with minimum initial capital outlay.

Optimising bandwidth

Meeting additional demand is not just a question of increasing circuit numbers; it's also about making maximum use of existing capacity. It's no use having high capacity if the traffic streams are only half filled.

The **MD202** consolidates partially filled streams into fewer full-capacity streams. This makes maximum use of the available bandwidth, reducing or delaying the need for further investment in additional capacity.

The **MD202** also grooms traffic, whereby individual traffic types are sorted into appropriate streams according to their characteristics: for example, POTS and leased-line or telephony, paging and data.

Guaranteed availability

Leased-line users are companies, utilities, local administrations, the emergency services; and operators like you. They are the type of user who demands the highest availability and guaranteed level of service. With the **MD202**, that's what users get. With the **MD202**, there is no single point of failure – service is assured.

Fast service provision

End-users want service provision quickly. They don't want to wait days for somebody to make the right connections in the equipment room. Such manual cabling is not just time-consuming, it's also costly and error-prone. With Marconi's **MD202**, it's also not necessary.

A centrally managed, electronic distribution frame means that new users can be provisioned (or existing users reconfigured) remotely and quickly. This reduces manpower costs and also the operational risks associated with manual tasks in equipment rooms.

Management

Marconi's ServiceOn Access maximises network efficiency and minimises costs by enabling **MD202**s to be reconfigured from a central site. It also provides a complete view of the network, with fault reports, diagnostics and remote control. It's a proven, scalable, network, element and service level management platform for all of the Marconi Access portfolio.

However, if you already have a third-party management system, don't worry. Thanks to its SNMP capability, you can still deploy the **MD202** in your network and continue to use your existing management system.

*The **MD202** cross connect is a key component of the Marconi Access portfolio which also includes Deep Fiber, Advanced Copper, Skyband wireless solutions, ServiceOn Access and our Access Hub – a comprehensive range of access solutions for the New Public Network. Marconi Access satisfies all the needs of every type of operator and service provider.*

Marconi is a truly global organisation with staff in over
100 countries and design and manufacturing bases on
four continents. We are one of the world's top five
communications and IT suppliers – and the
fastest-growing – thanks to our comprehensive
international product portfolio; our continuing investment
in centres of excellence; our customer and supplier
relationships and, most of all, thanks to our people.

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