**XMP1-LCC - Highest cross-connect capacity in a compact housing**



The XMP1-LCC is a modular, compact access multiplexer. It can be fitted with 2 Mbps and SDH interface cards. STM-1/STM-4 (optical and electrical) or STM16 (optical) interfaces are available for SDH connection.

Its efficient cross-connect allows separate switching at 64 kbps/2 Mbps and SDH level. The cross-connect capacity enables separate switching of up to 252 x E1 at 64 kbps and up to 183 STM-1-, 144 VC-3, and 3024 VC-12 signals at SDH level.

Thanks to its vast cross-connect capacity and high number interfaces, it consolidates incoming data for forwarding to the SDH backbone network. The central units can be installed redundantly. Then the XMP1-LCC will have a high level of availability and can be used in mission-critical applications. The XMP1-LCC belongs to the [XMP1 family](http://www.keymile.com/products/mission_critical_system_mcs/xmp1) and supports the protection functions and operation modes of the XMP1 multi-service access multiplexer.

The network management system SOX (Service on XMP1) allows the whole XMP1 network, including XMP1-LCC, to be fully configured and monitored in a user-friendly manner. SOX provides additional protection functions that increase the availability of the network even further. The typical public transport and railway company application is the operation as E1 access multiplexers in the SDH backbone.

XMP1 highlights

|  |  |
| --- | --- |
| * Highest non-blocking cross-connect capacity
	+ 3024 x VC-12
	+ 183 x VC-4
	+ 144 x VC-3
	+ 8064 x 64 kbps
* Optimal support of network interfaces ranges from 2 Mbps to STM-1/4/16
* Non-blocking PDH cross-connect on 8k/64k level with 252 x E1 inputs
* Modular system for all network topologies
* Optional redundant core unit with switching times <50 ms (manual switching error-free)
 | * 8 slots for interface units
* Ethernet over PDH and Ethernet over SDH units available
* Powerful management system for control, testing and diagnostic functions
* Space savings with an integrated high density compact design (3 HU)
* Optimal for mission-critical applications, thanks to highest availability and reliability
* Versatile protection and redundancy mechanism
* Integrated SDH multiplexer with interfaces for STM-1 up to STM-16
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XMP1-LCC is ideal for the following applications and areas

* PDH and SDH cross-connect
* Point-to-point and point-to-multipoint networks
* Standard interfaces for connection to radio, SDH and ATM systems
* Various redundancy mechanism via safety-relevant transmission networks
* Consolidation & Grooming
* Access node for transmission networks

