Modem Management Adapter (MoMA)

The most essential part of the Nokia xDSL Modem Pool is the Nokia Modem Management Adapter (MoMA). It allows the operator to take full advantage of the SNMP-based management systems with Nokia equipment. MoMA is used to control and manage one POP (Point of Presence) equipped for up to 63 subscribers. As a management channel multiplexer, MoMA allows the creation of cost-efficient management networks.

The amount of equipment supported by MoMA is increasing. Currently the supported equipment extends from the Central Office equipment (ACL2s) to the customer premises equipment (DNT2Ms).

Easy Management
MoMA is managed in the most efficient way with the Nokia NT Broadband Manager. The NT Broadband Manager provides an easy-to-use interface for managing the settings and monitoring alarms of Nokia's MoMA - Modem Management Adapter. Also other modem pool equipment supported by MoMA can be configured using the NT Broadband Manager. The NT Broadband Manager runs on a PC-compatible computer under Microsoft Windows NT 3.51 and Windows NT 4.0, and newer.

MoMA can also be managed using the Command Line Interface locally or remotely using telnet. A generic SNMP element-manager application can be used as well.

Management applications
Besides the local management interface (VT100), MoMA offers a variety of management interfaces that can be used to create efficient and secure management networks. Ethernet, synchronous , and asynchronous PPP protocols also allow remote management with several types of equipment. Normally, MoMA is connected to a management LAN system with the 10BaseT or V.35 interface. As a back-up for this 'always-on' management, a dial-up modem can be hooked up to V.24 interface.

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Product Codes	MoMA adapter card NT Broadband Manager	T66140.01 P69060.00
Management interfaces	Synch PPP Asynch PPP Ethernet Local Management Interfce	Euro conncetor V.35 (electrical) RJ45 connector V.24/V.28 (electrical) RJ45 connector IEEE802.3 (electrical) RJ45 connector V.24/V.28 (electrical)
Software download	TFTP	
Supported MIB's	Nokia Enterprise MIB MIB-II (Interface table)	
Supported equipment	ACL2-V.35 ACL2 DNT2M	
Number of units supported	4 subracks max. 63 ACL2s + 63 DNT2Ms	
Power consumption	7 W	
Electromagnetical compatibility	EMC requirements, telecommunication network equipment	EN300386-2 (1997)
	EMC requirements, telecommunication network equipment	ETS 300386-1 (1994) normal priority of service
	Generic emission, residential, commercial, light industry	EN 50081-1 (1992)
	Generic immunity, residential, commercial, light industry	EN 50082-1 (1997)
	Generic immunity, industry	EN 50082-2 (1995)
	Emission, information technology equipment	C.I.S.P.R. 22 Class B
Environmental and mechanical requirements	Transportation Storage Operation	ETSI ETS 300019-1-2 class 2.3 ETSI ETS 300019-1-1 class 1.2 ETSI ETS 300019-1-3 class 3.2
Installation environment	Operating temperature	-5 to +45?C

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