SX-2000 LIGHT – Distributing power and flexibility changing the way we work.

The SX-2000 LIGHT is more than just a PBX, it's a foundation upon which a converged communication system can be built. Distributing power and flexibility throughout an organisation, the SX-2000 combines telephony, computing technology and multimedia to create a single broadband network.

Mitel is committed to provide a stable, powerful platform that smoothly accommodates flexible enhancements to both the software and hardware. This provides added value and offers customers complete communications solutions. Today, the SX-2000 product line is ready to grasp the challenge of future demands.

SX-2000 modules are housed in PC-style tower cabinets. Up to 11 separate 192 port Peripheral Cabinets or Digital Service Cabinets are directly connected at a distance of up to 40 km by high bandwidth fibre within a building or campus from a single control unit. A single SX-2000 LIGHT system supports up to 2112 ports of Analogue/Digital extension and trunk connections. The SX-2000 LIGHT is also scalable in the form of the SX-2000 Cluster which supports over 10,000 ports and is managed by Mitel's OPS MANAGER administration system.

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FEATURE	BENEFIT
Reliability.	Advanced self-diagnostics. Each circuit is checked by the CPU every 3 seconds. System faults are detected quickly. Their impact is isolated and recovery steps are automatically initiated. Robust tolerance of faults with continued operation in many fault conditions. Optional control redundancy (duplication).
System Management.	Friendly user interface for both technical staff and users. Simple forms based customer data entry. Adds, moves and changes can be made from operator's console. OPS Manager platform makes network management fast and simple and enables corporate directory management.
Networking.	Standards based networking protocol enabling networking with other manufacturers' equipment. Standards supported include DPNSS, DASSII, APNSS and Euro ISDN. Desk to desk feature transparency. CLI is provided across the network. Centralised resources including centralised operator, voice messaging, call accounting, public network interfaces and system management.
Migration.	Policy of simplified upgrades and product development. Investment protection through cost effective upgrades. Universal card slots, any peripheral card in any peripheral slot. Peripheral devices and circuit cards common to all members of the SX-2000 range.
User Friendly Peripherals.	Softkey prompts for easy feature access. Reduces training requirement and increases feature usage.
Fibre Optic Distribution.	SX-2000 LIGHT cabinets are connected by fibre optic cables, this means that the cabinets can be placed close to the resources that they serve. Cabinets may be up to 40Km apart, ideal for a campus environment. Fibre connectivity offers high bandwidth, and noise immunity. Fibre connectivity can reduce cabling installation costs. Fibre connectivity makes it possible to incorporate the SX-2000 LIGHT into Local Area Networks.
CTI Ready.	Mitel pioneered the technology and supports open standards. Today, Mitel supports 1st party and 3rd party control standards and encourages 3rd party developers.
Flexibility of Dimension and Traffic Packages.	The SX-2000 is supplied in a range of hardware dimensions, feature resource dimensions and traffic capacity packages to exactly match the requirement of customers in a cost effective manner. Each of the hardware dimensions, feature resource dimensions and traffic capacity packages can be upgraded to accommodate system growth.

SX-2000 MICRO LIGHT

The SX-2000 MICRO LIGHT PBX, provides the same advanced functionality and connectivity for medium sized organisations or branch offices of large corporations.

The MICRO LIGHT has an integral Digital Services unit providing digital trunk interfaces and the ability to support up to 128 Analogue/Digital connections. With the addition of peripheral nodes, this capacity can be increased to 768 ports. The MICRO LIGHT uses the same software, processor and peripheral cards as the SX-2000 LIGHT and requires no additional training for users, maintenance staff of system mangers. It retains the modularity principle of 'any card in any slot' in the pre-wired backplane, providing exceptional flexibility including efficient moves and changes and proven maintenance simplicity.

	MFRD Parameters								Flex. Dims	
	3	7	12	20	21	22	23	24	Min	Max
Single Line extension (analogue or digital)	752	1360	2112	2112	456	1504	1504	1360	16	2112
Digital Multi-line extension	240	300	756	450	1600	756	504	300	12	2000
Trunks (analogue & digital)	204	312	628	628	400	362	1300	628	8	1320
Dataset Ports	96	112	400	400	362	1000	208	208	16	2000
Consoles (Operators)	8	16	24	24	24	24	48	48	2	48
DTMF Receivers	88	128	128	160	128	128	128	128	16	200
Entries in Integral Directory	905	1365	3605	4505	3005	3075	3075	9305	55	32005

	Single Processor (2 options)	Single Processor with redundancy option	Dual Processor with hot-standby redundancy
Control Cabinet			
Size (HxWxD) cm	49 x 23/46 x 46	49 x 46 x 46	49 x 46 x 46
Weight (MAX) Kg	18/40	44	44
Peripheral Cabinet			
Size (HxWxD) cm	49 x 46 x 46	49 x 46 x 46	49 x 46 x 46
Weight (MAX) Kg	27.3	27.3	27.3
Ports/Cab	192	192	192
No. of Cabs (MAX)	3	11	11
DSU Cabinet			
Size (HxWxD) cm	49 x 23 x 46	49 x 23 x 46	49 x 23 x 46
Weight (MAX) Kg	20	20	20
Digital Trunks/Cab	240	240	240
No. of cab (MAX)	2	6	6
Power Source			
VAC	120/220/240	120/220/240	20/220/240
DCs (MAX)	48V	48V	48V
Memory	16	16	16
Hard Disk (Mbytes)	100	100	100
Removal Storage Device (Mbytes)	38.5	38.5	38.5
Operational Environment			
Temperature	0 to 50°C	0 to 50°C	0 to 50°C
Humidity	5 to 60%	5 to 60%	5 to 60%
Universal Ports (MAX)	768	2112	2112
Standard MFRD	1/3	7	7
Optional MFRD Packages	7/12/20/21/22/23/24 Flex Dims	12/20/21/22/23/24 Flex Dims	12/20/21/22/23/24 Flex Dims
Fibre Specification (standard)	62.5/125 M (Multi Mode)	62.5/125 M (Multi Mode)	62.5/125 M (Multi Mode)