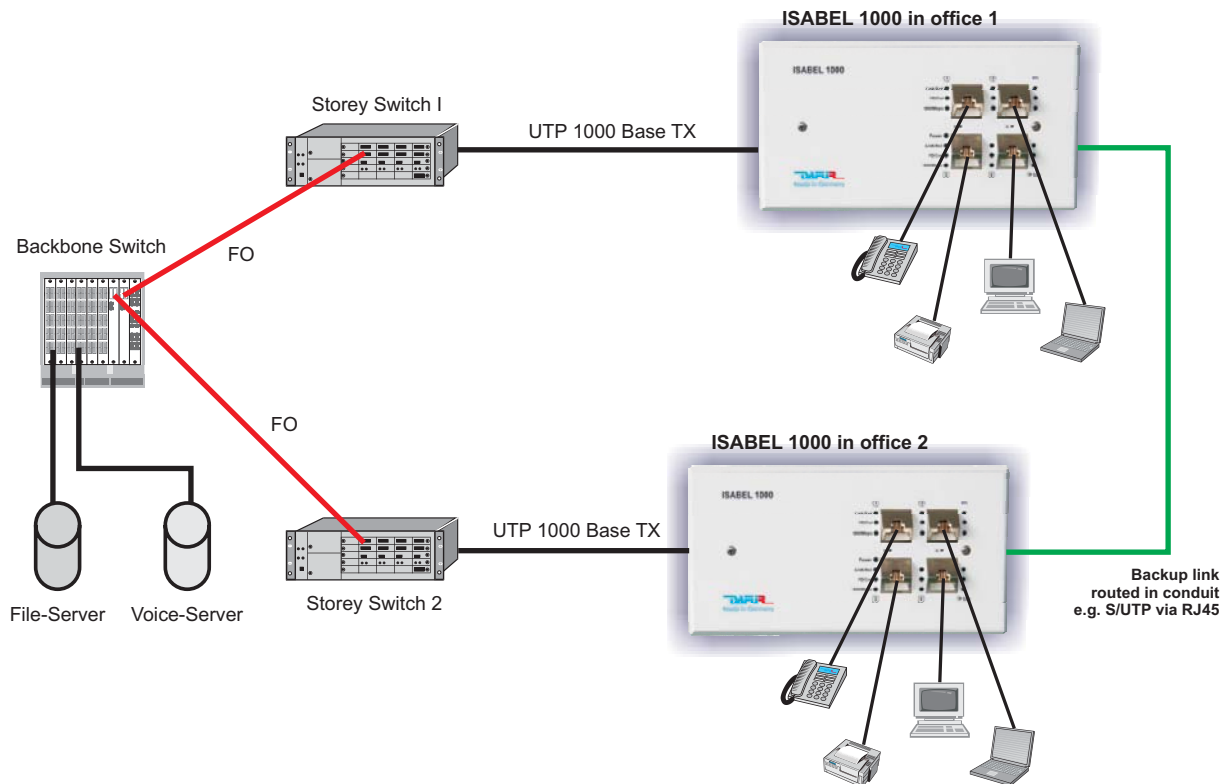


ISABEL* 1000-TP

provides **100%** availability for IP telephony and **Power-over-LAN** in category 6/7 networks

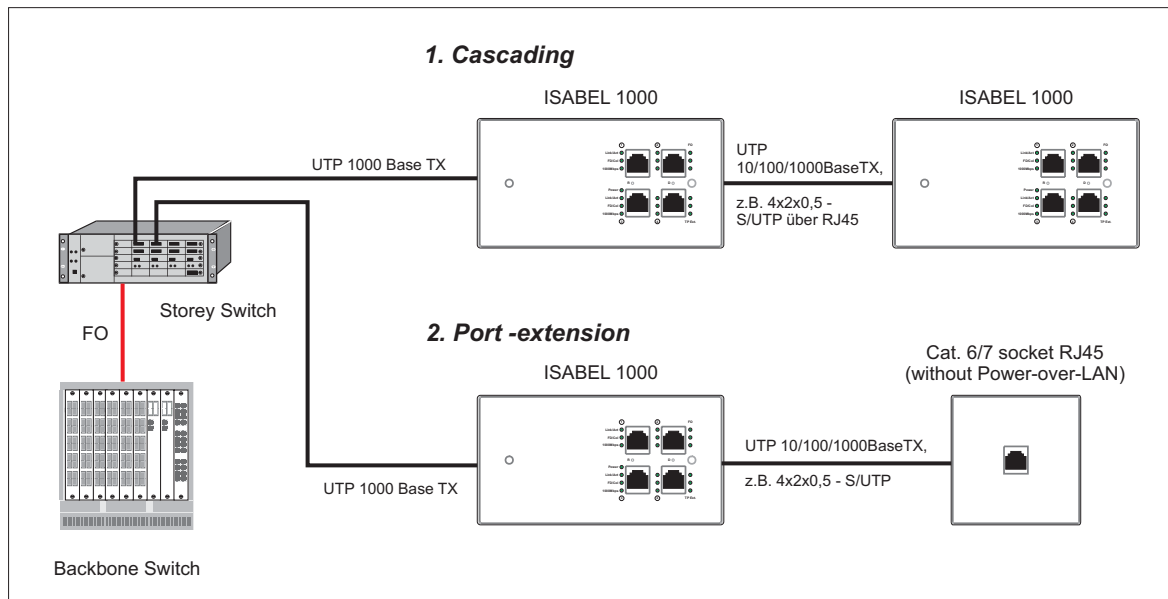


Your advantage

- **Retrofit of all classic storey networks in UTP with Power-over-LAN** and simultaneous multiplication of RJ45 ports. This solution can be used with 100% of all previously purchased hardware. The solution for fully overfilled cable channels.
- **Above-average service life** due to elaborate metal design of the enclosure out of solid aluminium to provide maximum cooling and dissipation of residual heat.
- **Provides the highest possible reliability for IP telephony**, both under fault conditions as well as during maintenance, as a result of 100% subscriber redundancy.

*Intelligent switch with alternative, bi-directional energy for LAN telephony

ISABEL 1000 cascading and port-extension functions



Technical Data

Switch	
Features	S&F (store and forward), full-wire speed, prioritising, software configurable, 4 priority queues per port, non-blocking, full-duplex (802.3x) with flow control, half-duplex with backpressure, port mirroring, VLAN, DiffServ, TFTP. Embedded broadcast and multi-cast storm protection.
Memory	Memory 1 Mbyte, 112kByte int. Framebuffer/8.192 MAC Adressen
Ports	4 x UTP/STP mit Auto MDI/MDIX, 1 x SFP-Transceiver
Extension port	1 x UTP/STP, Fast Backup with 802.1w(RSTP)
Power supply	External power supply for rapid installation/removal
Input voltage	100-240V AC/47-63Hz
Output voltage	3,3V DC or 3,3+48V DC für PoL
Power consumption, overall	max. 10 Watt for 7 active ports, max. 30.8 Watt for PoL
Power connection	230 V: IEC mains chassis socket; 3.3V or 3.3&48V: 4 pole Phoenix 3.81mm
Installed depth	39 mm
Ambient conditions	Operating: 0° ... 40°C, 20 ... 90% relative humidity, non-condensing

Electrical interface/primary	
Connection	RJ 45 socket SFP-Transceiver
Standards	compliant with IEEE 802.3ab, 802.3af, 802.3u/z, 802.3x, 802.1x, 802.1q, 802.1p, 802.1w(RSTP)

Electrical interface/secondary	
Connection	RJ 45 socket
Standards	Ethernet/Fast Ethernet/Gigabit Ethernet 10/100/1000 base TX, per IEEE 802.3ab, 802.3af, 802.3u/z, 802.3x, 802.1x, 802.1q, 802.1p, 802.1w(RSTP)

ISABEL 1000 has been tested according to DIN VDE 0710 guidelines. Compliance with these guidelines has been accomplished with strict application of DIN VDE 0710 for certification and accreditation per \equiv (double M) testing which is more stringent and extensive than certification pursuant to \equiv and \equiv . ISABEL 1000 is suitable for the installation in such surroundings.

*) The ISABEL module is completely fabricated (100%) from lead-free materials according to legal stipulations and the ROHS EU guidelines that become binding Europe-wide effective 01/06/2006 for all electronic components.

Subject to technical changes
ISABEL 1000 TP Prospekt.cdr
Stand 31. August 2006