KAREL MS128 PABX

Telephone Switchboard / PBX System Datasheet

Karel MS128 is a modular PBX telephone switchboard designed for medium and large businesses such as hotels, schools, hospitals, factories, and office buildings. The system supports flexible expansion with capacities from **4–20 external lines** and **12–124 extensions**.

Key Features

- Modular architecture for scalable deployments
- Supports 4–20 external lines and 12–124 extensions
- Automatic Least Cost Routing (LCR)
- Remote programming and maintenance support
- Call forwarding, transfer, parking, and conferencing
- Hotel management features (check-in/check-out, room status)
- Caller ID support (CLIP/CLIR)
- ISDN compatibility
- External music input and announcement support
- Serial printer and RS232 interface support

Technical Specifications

Processor / Control	Stored Program Control (SPC)
Memory Capacity	1024 KB CMOS EPROM / 256 KB CMOS SRAM
Switching	Space Shared CMOS Crosspoint Switch
Power Supply	AC 220V, 50–60 Hz
Power Consumption	15–95 W
Extension Connection	Up to 1200 Ohm including phone set
Phone Support	DP/DTMF standard telephones
Feature Phone Capacity	Up to 16 feature sets
External Line Signalling	DP/DTMF
Charging Signal Detection	12/16 kHz
Interfaces	RS232, External Music Input

Operating Temperature	0°C to +45°C
Humidity	20% to 80%
System Capacity	4–20 CO Lines / 12–124 Extensions
Dimensions	45 × 27 × 31 cm

Communication & Software Functions

The MS128 platform includes advanced telephony and communication features such as:

- Call forwarding and transfer
- Hotline and redial functions
- Busy extension warning and queuing
- Conference calling
- Flexible numbering plans
- Wake-up/reminder service
- Music on hold
- External line grouping
- Night service operation
- Doorphone and relay integration
- Voice mail and robot operator compatibility (EVM128 / EVM128S)

Recommended Applications

Karel MS128 is suitable for:

- Hotels & Resorts
- Hospitals & Clinics
- Schools & Universities
- Manufacturing Facilities
- Commercial Office Buildings
- Medium to Large Enterprises

This datasheet was compiled using publicly available technical information from Karel product documentation and manuals.