



 BROCHURE

MINI & MICRO DATA CENTERS

↳ Ideal server solutions

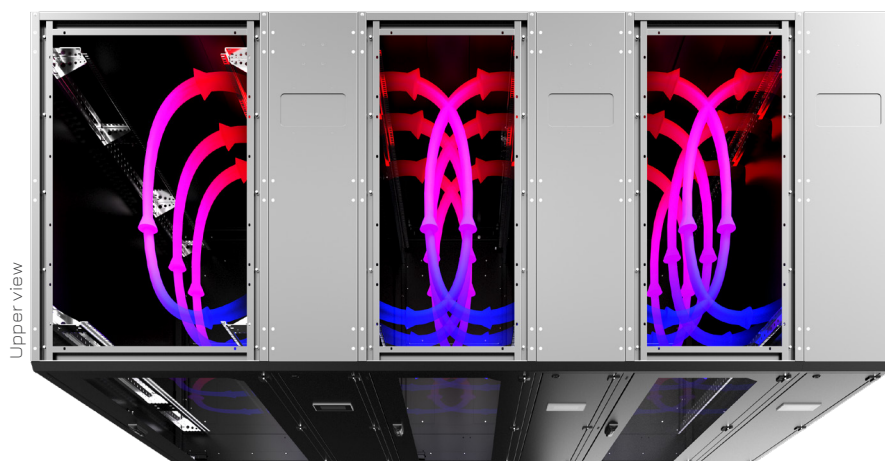
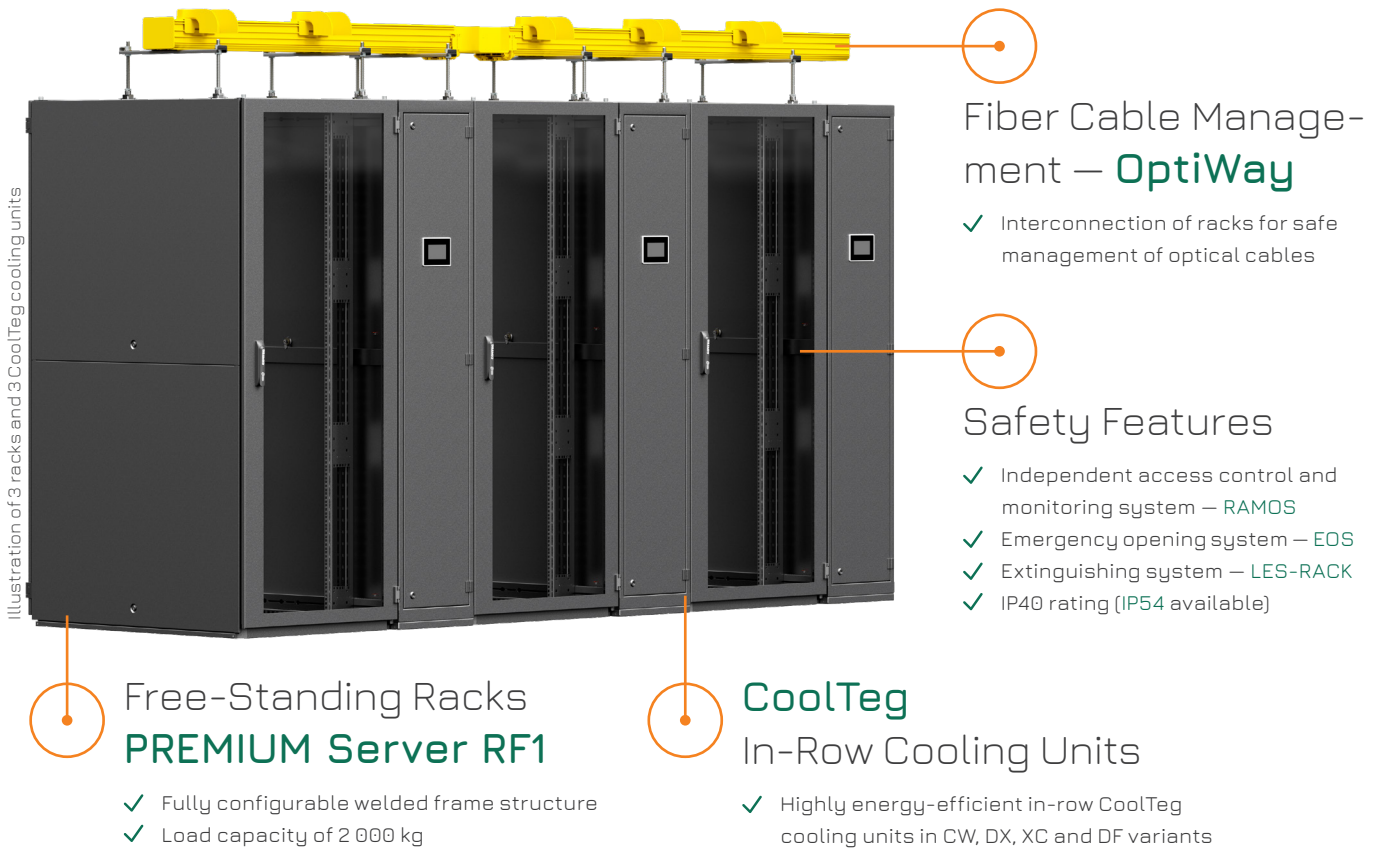
Mini Data Center

An ideal solution suitable for free-standing racks, smaller server rooms and large data centers that require zones with different operating parameters (temperature or heat load).

The Mini Data Center is a compact arrangement completely insulated from the surrounding environment; combines **PREMIUM Server RF1** racks and **CoolTeg** in-row cooling units. The front and rear doors of the racks are glass or full-metal and form a contained space for air circulation between the servers and the cooling units. Thus, zones with cooling units at different set temperatures and heat loads can be installed within the same containment or data center, allowing greater flexibility within a facility.

The system is universal and fully compatible with **CoolTeg CW** (chilled water), **CoolTeg DX** (direct expansion), **CoolTeg XC** (direct expansion with integrated compressor), and **CoolTeg DF** (dual fluid) units. Any number of units and racks can be configured just as the customer requires.

The system can be equipped with a number of safety features such as independent monitoring system **RAMOS** – including sensors, emergency opening system (**EOS**), fire extinguishing system **LES-RACK**, and more.



Air circulation inside the **Mini Data Center**

↳ Ideal for

- ✓ Small and medium server rooms with heat loads of up to 35 kW per rack
- ✓ Data centers with zones requiring individualized operating parameters
- ✓ 42U to 52U racks 600/800 mm wide and 1200 mm deep

↳ Advantages

- ✓ Easily scalable
- ✓ Does not require a raised floor
- ✓ Rack load capacity – 2 000 kg
- ✓ Ability to monitor the status of the environment inside the rack

Micro Data Center

An ideal solution for free-standing racks with lower heat loads.

Cooling management is handled by a split system comprising a 7U-high in-rack cooling unit CoolSeven and an outdoor condensing unit CoolOut.

↳ Ideal for

- ✓ Small server rooms with heat loads of up to 8 kW per rack
- ✓ Data centers with zones requiring individualized operating parameters
- ✓ Any 19" rack 1 000/1 200 mm deep

↳ Advantages

- ✓ Does not require a raised floor
- ✓ Rack load capacity up to 2 000 kg
- ✓ Ability to monitor the status of the environment inside the rack
- ✓ Low power consumption
- ✓ Can operate without filters
- ✓ Heat discharged directly outside



Outdoor Unit CoolOut

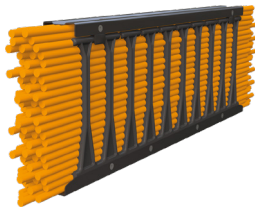
- ✓ Easy to install and maintain
- ✓ Wide range of cooling power regulation starting from 11 %



In-Rack Unit CoolSeven

- ✓ Direct expansion type (DX)
- ✓ Precise control of cooling performance

Related Products



CABLE MANAGEMENT

Appropriate cable organization is an integral part of every installation, both in individual racks and across entire data centers. We provide High Density Wire Management system, Optical Pathway System OptiWay, cable routing system for Management of Metallic Cables and Standard Cable Management panels, brackets, guides and holders.



EXTINGUISHING SYSTEM

The Extinguishing System LES-RACK is a standalone, fully automatic detection and fire-protection system designed for direct installation in 19" racks with IP30 protection or higher. Fills the protected space with FK 5-1-12 agent to prevent fire spread.



ENVIRONMENTAL MONITORING SYSTEM

Monitors rack temperature and humidity, controls access, and protects against overheating. If RAMOS detects overheating, the EOS (emergency opening system) releases front and rear doors to prevent damage. Optimal protection still comes from fully redundant cooling units.



INTELLIGENT AND BASIC POWER DISTRIBUTION UNITS

Our portfolio includes Managed PDUs, which allow remote control of individual or grouped outlets via a network; Monitored PDUs, which provide remote monitoring of current and energy consumption; and Basic PDUs with no additional features.



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