

Anywhere, constantly
connected and monitored.



DKC, a sector leader in the production of cabinets for industrial automation and electrical distribution, offers the innovative Net One solution - the air conditioned cabinet that guarantees safety and security, continuity and remote monitoring. A solution for keeping the IT infrastructure safe and secure both in traditional and demanding environments.



www.dkceurope.eu



DKC Europe Srl
via Libertà, 207 · 28043 Bellinzago Novarese (NO) Italy
tel. +39 0321 989898 · e-mail: info@dkceurope.eu
www.dkceurope.eu

D205119E



All In One Compact Data Center



www.dkceurope.eu

Reliability, quality and innovation



Characteristics

Net One is a standalone solution based on a 19” rack cabinet equipped with an inbuilt air conditioning system, an uninterruptible power supply UPS and a fire detection and extinguishing system. All controlled by an industrial PC that via an interactive touch interface makes it possible to keep the cabinet’s parameters, that will always be available on line, under control.

Net One is a cabinet that is **independent from air conditioning systems required separately like standard Data Center application** and this renders it versatile for use in different installation settings and in any places. This unique features is able to guarantee continuity and security of data even in demanding environments such as industrial establishments where separate Data center room is not available.

The air conditioning system, that is the result of expertise acquired in recent years in the field of industrial automation, renders Net One capable of coping with harsh environments such as production lines or remote storage facilities.

Continuity of service is guaranteed by a state-of-the-art UPS that is capable of providing, at any moment in time, all the required information about status, loads and battery levels.

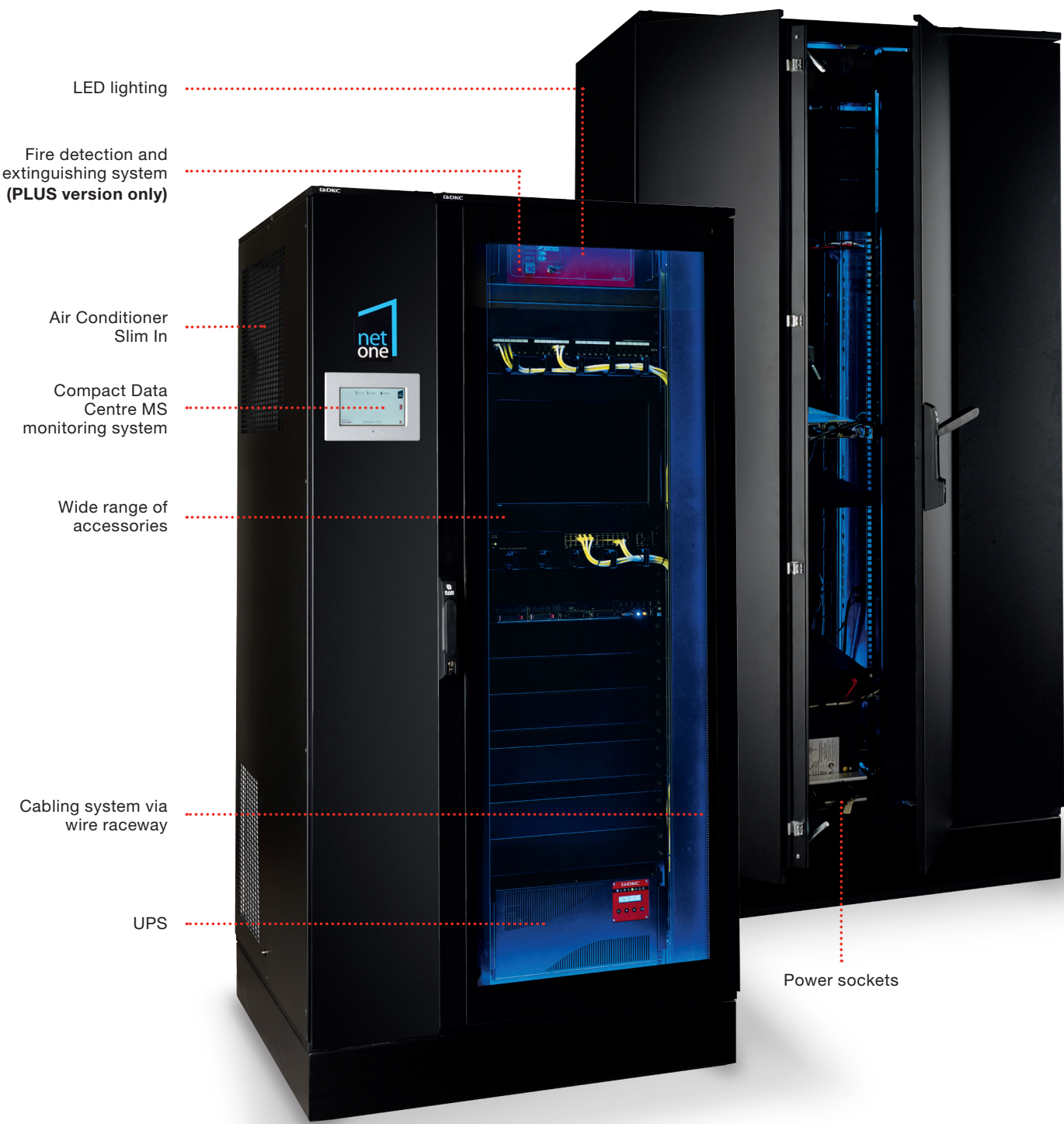
Net One is an intelligent, secure and reliable solution that makes it possible to optimise time taken in the installation of IT infrastructures. It is also an embodiment of DKC’s know-how and enhances the quality of its products.

Advantages

- Reduced infrastructure costs
- Faster installation times
- An air conditioning system that works independently from other additional units outside of the cabinet
- A single, complete, pre-assembled cabinet that meets all of the installer’s needs: air conditioning, UPS, fire prevention, remote access monitoring.
- Indoor installation both in blank environments and industrial settings
- Sales and after-sales service assistance (on request)
- IP55 cabinet protection rating and IP54 air conditioning protection rating
- Customized solutions according to customer specifications

The package includes:

- IT cabinet (42U except DKC devices) 2100x1100x1000 mm
- Version with compact Redundant Air Conditioner 2100x1400x1000 mm
- Colour RAL 9005 textured
- Cabinet Air Conditioner Compact Version (2000W, 3000W,4000W)
- Cabinet Air Conditioner with external condensing unit (3000W, 4000W)
- Emergency UPS system 3KVA,5KVA,10KVA,12KVA Run time = 10 minutes
- Cabinet’s “vital parameters” monitoring system with remote control
- Cabling system via electro-galvanised wire raceway
- Interior LED lighting system
- **Fire detection and extinguishing system based on aerosol technology (PLUS version only)**



Internal devices



UPS

The Ram-Batt line’s UPSs make careful PWM management of the fans possible, in order to minimize power consumption and reduce the system’s noisiness, to improve its comfort. Moreover, management of the UPS batteries has been optimised with charging curves based on the temperature and continuous dynamic control of their integrity.



Monitoring system with touch screen terminal

The cabinet is fitted with a system for monitoring vital parameters. Data are collected and made available via a touch screen monitor with a simple and intuitive user interface. In a critical alarm situation, the monitoring system sends an e-mail or SMS and records the event in a log. The monitoring interface, through which it is possible to interrogate, change certain operating parameters, consult logs etc., is remotely accessible via an Internet browser.

Parameters monitored:

- Cabinet’s temperatures on the front and back, and humidity
- Air conditioning control unit
- Status of fire detection and extinguishing system
- Door opening
- UPS status



Fire detection and extinguishing system (PLUS version only)

The Firepro extinguishing system is based on the use of a fire suppression agent, a potassium-carbonate aerosol spray developed from a solid mixture defined as “compound”, contained in steel dispensers fitted with grilles for discharging into the environment and referred to as “aerosol spray generators”. The ultra-fine dispersal, in a protected space, of solid particles suspended in an inert gas makes it possible to extinguish fires. The extinguishing mechanism is the interruption of autocatalysis and consists of the chemical inhibition of combustion at a molecular level, without it leading to any reduction in the environment’s oxygen content.

Cabinet Version with compact air conditioning

	CODE TOP VERSION	COD VERSION TOP WITH REDUNDANT AIR CONDITIONING	CODE PLUS VERSION	CODE VERSION PLUS WITH REDUNDANT AIR CONDITIONING	REFRIGERATING POWER	UPS
2000w 230Vac- 1ph	RBNET2003	RBNET20R03	RBNET2003P	RBNET20R03P	1960W	3 KVA
	RBNET2005	RBNET20R05	RBNET2005P	RBNET20R05P	1960W	5 KVA
	RBNET2010	RBNET20R10	RBNET2010P	RBNET20R10P	1960W	10 KVA
	RBNET2012	RBNET20R12	RBNET2012P	RBNET20R12P	1960W	12 KVA
3000w 230Vac- 1ph	RBNET3003	RBNET30R03	RBNET3003P	RBNET30R03P	2800W	3 KVA
	RBNET3005	RBNET30R05	RBNET3005P	RBNET30R05P	2800W	5 KVA
	RBNET3010	RBNET30R10	RBNET3010P	RBNET30R10P	2800W	10 KVA
	RBNET3012	RBNET30R12	RBNET3012P	RBNET30R12P	2800W	12 KVA
4000w 230Vac- 1ph	RBNET4003	RBNET40R03	RBNET4003P	RBNET40R03P	3800W	3 KVA
	RBNET4005	RBNET40R05	RBNET4005P	RBNET40R05P	3800W	5 KVA
	RBNET4010	RBNET40R10	RBNET4010P	RBNET40R10P	3800W	10 KVA
	RBNET4012	RBNET40R12	RBNET4012P	RBNET40R12P	3800W	12 KVA

Cabinet Version with air conditioning with external condensing unit

	CODE TOP VERSION	CODE PLUS VERSION	REFRIGERATING POWER	UPS
3000W 230 Vac-1ph 400 Vac-3ph	RBNET3003EU	RBNET3003PEU	2800W	3 KVA
	RBNET3005EU	RBNET3005PEU	2800W	5 KVA
	RBNET3010EU	RBNET3010PEU	2800W	10 KVA
	RBNET3012EU	RBNET3012PEU	2800W	12 KVA
4000W 230 Vac-1ph 400 Vac-3ph	RBNET4003EU	RBNET4003PEU	3800W	3 KVA
	RBNET4005EU	RBNET4005PEU	3800W	5 KVA
	RBNET4010EU	RBNET4010PEU	3800W	10 KVA
	RBNET4012EU	RBNET4012PEU	3800W	12 KVA

PLUS version is equivalent of the TOP version with the addition of an aerosol-technology-based fire detection and extinguishing system.

Accessories and optional elements

- Electric lock
- Opening through a badge proximity sensor
- Optical-Thermal fire detection sensor
- 1U and 2U fillers
- Fixed and extractable shelves
- Cable ducts
- Patch panel for structured cabling

