sinus ELECTRONIC

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MDPL

DATA SHEET

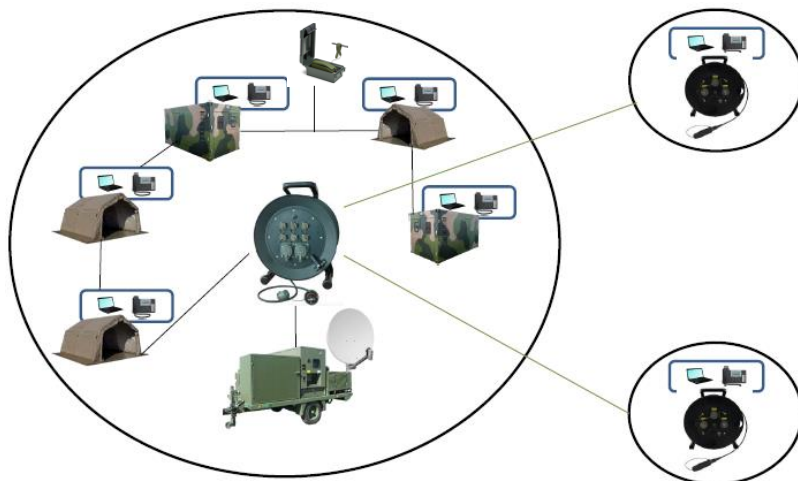**SINUS communication reel - MDPL**

1   PRODUCT INFORMATION

- **Secure high-speed network infrastructure for Field Camps and Tactical Communications Systems**

- **Transfer data and energy from a single source**

- **Plug-and-play system with data transfer rates of up to 500 Mbit/s**

- **110V / 230V**

Part number: 4000013-0800.00   Stock number: 61XX-12-XXX-XXXX

2   TECHNICAL DATA

Connection on side A	1 x 230V 16A Schuko connector (three-phase on request)
Connection on side B	1 x RJ45 MIL socket (OCC) 3 x IEC sockets AC 230V 16A 1 x SMB connector 4G
Number of managed VoIP connections	up to 1000
VoIP protocols	SIP, IAX
Connection to existing network	Ethernet connection
Connection to phone network (PSTN)	RJ45 or 4G
External phone calls (simultaneously)	100
Internal phone calls (simultaneously)	unlimited
Ethernet connection	1 x RJ45 socket
System management	up to 100 independent SINUS IP devices can be connected
Transfer rate	up to 500 Mbit/s
Encryption	256 bit - IPsec, OpenVPN
Type of protection	IP 65

MDPL

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SINUS communication reel - MDPL

3   FUNCTIONAL DESCRIPTION

The MDPL communication reel features a standard mains cable to set up and manage Power-, Ethernet and phone networks across a maximum distance of 600 meters.

The maximum data transfer rate is 500 Mbit/s. The communication reel is capable of managing up to 100 independent SINUS IP devices and supports IP telephony, with up to 1000 VoIP connections using the SIP or IAX standard. It can handle an unlimited number of simultaneous internal calls and up to 100 simultaneous external or international calls via the standard telephony networks. SINUS IP phones connected to the communication reel can also be contacted via a standard telephony network. The communication reel has an integrated Ethernet connection that can be used to connect it to other data networks. An external 4G antenna can also be connected to the MDPL to connect to the Internet using mobile telephony. Daisy chain option for more flexibility.

The telephony system can be managed via the user-friendly web interface and also boast an interactive voice response (IVR) system and a central telephone directory. The system administrator can configure parameters such as number of queues, personalised messages and hold music and the number of answering machines. Wide ranges of language modules are available.

Our inductive coupled mobile telephone (ICMT) is also available as an accessory.

This mobile phone lets you inductively couple to the communication network at any location within the MDPL network. With up to 12 hours call time (charge state).

4   OTHER MDPL ACCESSORIES

SINUS Fiber optic client with battery

PN: 4000016-2500.00

NSN: 6116-12-XXX-XXXX

SINUS Inductive coupled mobile telephone (ICMT)

PN: 4000014-2700.00

NSN: 6116-12-XXX-XXXX

Ethanol Fuel cell for Fiber optic client

PN: 4000016-2650.00

NSN: 6116-12-382-0376

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