

ROCKMA DIG

*Real-time efficiency
for your mining
machines*



Rockma Excavator 3D machine guidance unleashes the power of the Rockma mining system for your excavators and shovels. See and operate on the benches and blocks in a real-time synchronized 3D environment.

- ✓ Centimeter accuracy with full supported GNSS receiver
- ✓ Visualize maps, surfaces and blocks
- ✓ Extremely rugged hardware
- ✓ Support for mining block models
- ✓ Real time synchronisation with office software
- ✓ Optional dredging casing for sensors
- ✓ Open for integration with other mining systems/FMS

ROCKMA

Know your ground

ROCKMA started operations in 1999 and has since sold hundreds of systems to the mining industry, both surface and underground mining, tunneling projects, geotechnical surveys, diamond drillings, quarries etc. For over 20 years our rock mass analysis accuracy has been verified after every blast made using our applications. We specialize in the interpretation of rock properties, but the products have evolved over the years, and we are now offering comprehensive solutions for various production applications.

Phone: +46 (0)910 83440 Email: contact@rockma.com Web: www.rockma.com Head office: Expolaris Center SE-931 78 Skellefteå



Visit
rockma.com

ROCKMA DIG

MACHINE CONTROL -SURFACE MINING

SPECIFICATIONS

TABLET

CPU:	Intel x64I3E
RAM:	8 GB DDR4 3200 MHz
Supply voltage:	9-36 VDC
Ports:	1x USB 3.0 3x USB 2.0 1x Ethernet 10/100/1000 1x RS232 with customer configurable 5V or 12V I/O Port
Display:	10.4" XGA LED 800NIT
Operation system:	Windows 10 IoT LTSC
Operation temperature:	-30 to 55 °C
Weight:	2.2 kg
Dimensions:	251 mm (w) x 218 mm (h) x 46 mm (d)
Enclosure rating:	IP65

GNSS

Supply voltage:	9-36 VDC
Ports:	2x MIL connector (PWR, CAN, LAN) 4x TNC (GNSS, UHF, CELL) 1x SIM
Satellite systems:	GPS, GLONASS, GALILEO, BEIDOU
Channels:	544 hardware channels
Operating temperature:	-20 to +50 °C
Weight:	0,82 kg

SENSORS

Resolution:	M0.01
Static measurement accuracy:	± 0.1°
Dynamic measurement accuracy:	± 0.25°
Sampling rate:	200 Hz
Dimensions:	114 mm x 66 mm x 30 mm
Weight:	330 g
Enclosure rating:	IP6K9K
Operating temperature range:	-40 °C ... +85 °C
Storage temperature range:	-40 °C ... +85 °C
Connection type:	Male connector, Female connector, 1x, 1x, M12, M12, 5-pin, 5-pin
Supply voltage:	7.5 V DC ... 36 V DC
MTTFd: mean time to dangerous failure:	587 years (EN ISO 13849-1) 1)

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