



colibri X7 protect

Tablet-PC made in Germany

++ unique outdoor display ++ protection glass with special hardening ++ ultra-robust magnesium housing ++



www.robust-pc.com

THE ULTIMATE IN OUTDOOR CONVENIENCE



The colibri X7 protect from Mettenmeier is provided with the very best outdoor display throughout the world. The brilliant contrast even at brightest sunlight enables the use of graphical applications with high degree of detailing. This way inactive periods due to weather conditions are considerably reduced. The amazing colibri technology also supports an eye-friendly and stress-free handling.



With the ultra-robust magnesium housing combined with the marvellous protection glass with special hardening the colibri X7 protect not only meets the protection class IP 65, but is also fully prepared for use in the field. The thoroughgoing construction including its robust connectors offers optimal protection from cold, heat, moisture, sun, dust and strong vibrations.



Thanks to an impressive combination of robustness and power, the colibri X7 protect is the first choice for everyone wishing to combine mobile applications with reliability and outdoor use. Engineering, production and service "made in Germany" also ensure long-time durability as well as reliability and investment protection.



Application areas

- Energy supply
- Environment
- Forestry and agriculture
- Fleet management
- Emergency services
- Geodesy and cartography and many more

Basic features:

- Rugged, waterproof outdoor computer with robust magnesium housing (aluminium frame), passively cooled
- Protection class: IP 65, connector side IP 67
- Free programmable numeric keypad (numbers 0 to 9)
- Integrated feet for tabletop (fold-out)
- Integrated weatherproof pen holder in device base
- Standardised mounting according to VESA100, e. g. suitable for table, wall, vehicle or swivel arm mounting
- Dimensions: 296 x 38 x 240 mm (11.654 x 1.496 x 9.449 in.)
- Weight: approx. 2.3 kg (5.07 lb)

Display:

- Unique 10.4" colour TFT reflective display, 1024 x 768 pixels (XGA), easy to read even under direct sunlight
- Protection glass cover with special hardening and high-quality anti-glare feature
- Switchable lighting, adjustable via software
- Active pen operation, without display contact

Processor module:

- Power-efficient CPU Intel® Core™ 2 Duo U7500 ULV, 2 x 1.06 GHz
- 512 MB DDR2-SDRAM, 2MB L2 cache, 533 MHz FSB (larger RAM available, max. 2 GB)
- Intel® 82562 10/100 Mbit Ethernet controller
- Intel® Graphics Media Accelerator 950
- Power management: ACPI 3.0
- Integrated, sound-optimised stereo audio system

Performance values:

- Highly reliable 2.5" hard disk (S-ATA) with 120 GB capacity (larger hard disks available), embedded in a shock resistant configuration
- Efficient power management
 - Dynamic clock speed with Intel® SpeedStep technology
 - "Suspend To RAM" function (S3) for "sleep and wake" in seconds, executable via separate Sleep key
- Powerful 2D/3D graphics with max. 224 MB VRAM (DVMT 3.0) and DirectX 9 support
- USB 2.0 (up to 480 Mbit/s) with 6 channels, 3 channels available as standard
- Waterproof integrated microphone located at the front

Power supply:

- Intelligent double removable battery system (2 x 14.8 V / 2.55 Ah), high level of safety ensured by full encapsulation
- Battery replacement during operation (Hot Swap), provided a battery is available
- Five-stage LED capacity display integrated in the battery, even available when the device is in use (membrane keyboard with window in the battery compartment cover)
- Normal operating time: 5-6 hours (with two batteries)
- Battery management integrated in the operating system
- Warning tone upon reaching critical battery capacity, automatic shut-down if necessary
- Internal charging connection operable while device is running
- External charging dock available, operation is also possible via mains or car charger
- Charging time for each battery internally/externally approx. 2.5 hrs; 80 % of the capacity is available after just 1 hr
- External DC connection (19 V), standard use with mains adapter (70 W for 100... 240 VAC); a separate DC/DC converter is available for vehicle operation

Interfaces:

All interfaces to IP 67 standard (watertight):

- COM port: 1 x serial
- USB ports:
 - 1 x external
 - 2 x internal, placed in the battery compartment left- and right-sided, externally accessible, user-definable use (right-sided one not suitable for radio)
- Network connection (Ethernet 10Base-T/100Base-TX)
- Antenna terminal: 2 x SMA (e. g. for option WLAN/Bluetooth)
- WLAN 802.11 b/g/n (draft), max. 300 Mbit/s, option, optimised range by external antenna(s), additional range improvement by use of two antennas (on demand)
- Bluetooth class 1, option, optimised range by external antenna
- prepared for further radio options such as UMTS, GPS, ZigBee
- universal ExpressCard interface with weather protection cap (screwing system); other weather protection cap for sticking out cards on demand
- Mini PCI Express: 2 x internal
- Bootable via network or USB

Operating system:

- Microsoft® Windows® XP Tablet PC Edition 2005
- Microsoft® Windows® Vista™ Ultimate Edition (option)
- Linux (e. g. SUSE from version 10.1, installation by the customer or on their behalf, option)

SERVICE PACKAGES & ACCESSORIES



In addition to the basic service package colibri X7 protect "classic" another two service packages are available: "premium" and "surveying".

colibri X7 protect "classic"

- colibri X7
- 512 MB RAM
- Hard disk 120 GB
- Microsoft® Windows® XP Tablet PC Edition 2005
- 1 battery
- 2-point strap system
- Battery-free pen with spare tips
- System case

Extra equipment for colibri X7 protect "premium"

- 1024 MB RAM
- Hard disk 160 GB
- 2nd battery
- 1 charging dock with charger
- 4-point strap system
- USB adapter cable
- Network connection cable

Extra equipment for colibri X7 protect "surveying"

- 1024 MB RAM
- 2nd battery
- 1 charging dock with charger
- 4-point strap system
- USB adapter cable
- Network connection cable
- Tachymeter connection cable or GPS connection cable
- "Best range" Bluetooth extension, fully integrated
- External USB keyboard

Accessories (optional)

- Spare battery
- External charging dock/charger
- Docking station
- Tachymeter / GPS connection cable
- Anti-theft system according to Kensington standard
- "Best range" WLAN extension, fully integrated
- "Best range" Bluetooth extension, fully integrated
- UMTS, fully integrated, SIM card must be provided
- GPS, fully integrated (under way)
- Car charger
- Car power supply
- Car bracket
- External USB keyboard
- Memory expansion (1 GB or 2 GB)
- Wireless data kit
- DSUB cable adapter
- Mount with ballhead
- External drives, storage media

**now with UMTS option:
3G high speed fully integrated!**

SERVICE & SUPPORT



If you decide to purchase a colibri, you have made the right decision. We consider it our obligation to prove that even after purchase. Regardless of whether you have a modification request, installation task or require an error analysis, we will not let you down. Flexible, fast, knowledgeable – only the manufacturer has these attributes. As a colibri customer you have a winning hand when it comes to servicing. "Made in Germany" is an understatement. "Developed, made and supported in Germany" is more appropriate. We provide all that is required for comprehensive and knowledgeable support. Our team is there for you without any ifs or buts. You can reach us at normal office hours without expensive service fees under telephone number +49 (0)5251 150-500 or via e-mail at support@robust-pc.de.

WARRANTY & DEVICE CHECK



Our products meet the highest standards of quality. Our customers are not only able to enjoy a 24-month manufacturer's warranty; there is also a possibility of extending the warranty for up to 60 months after the date of purchase. In addition to this, there is also the attractive possibility of a cost-effective device check as and when required. We issue a certificate after this check to attest to the perfect operability of the device. This is the best way to protect your investment and ensure the long life of your outdoor PC.



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