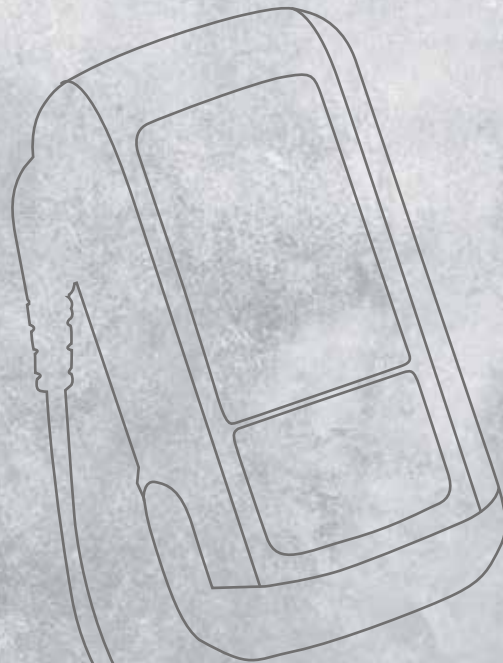
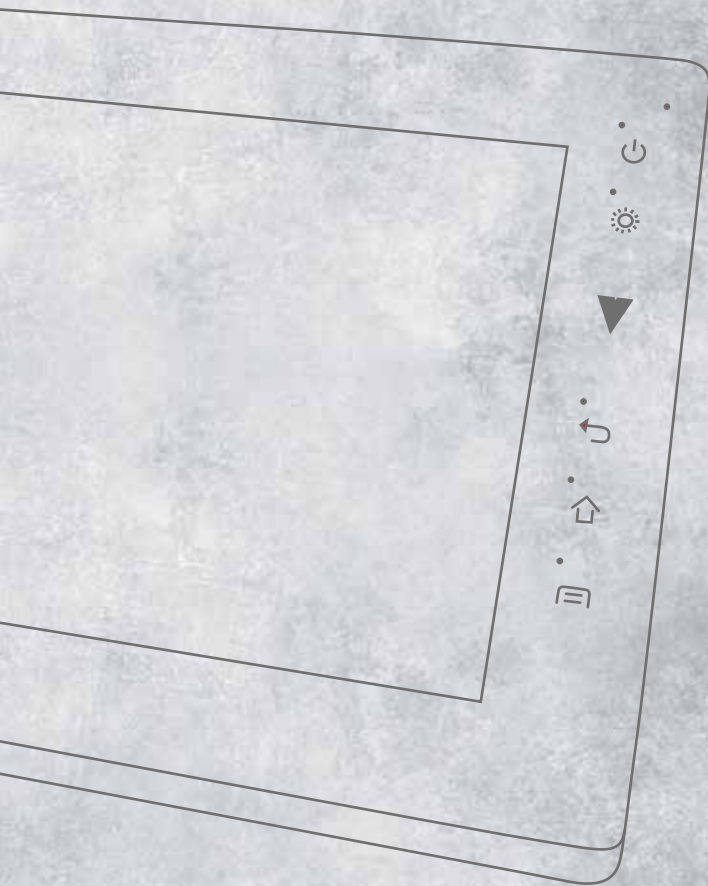


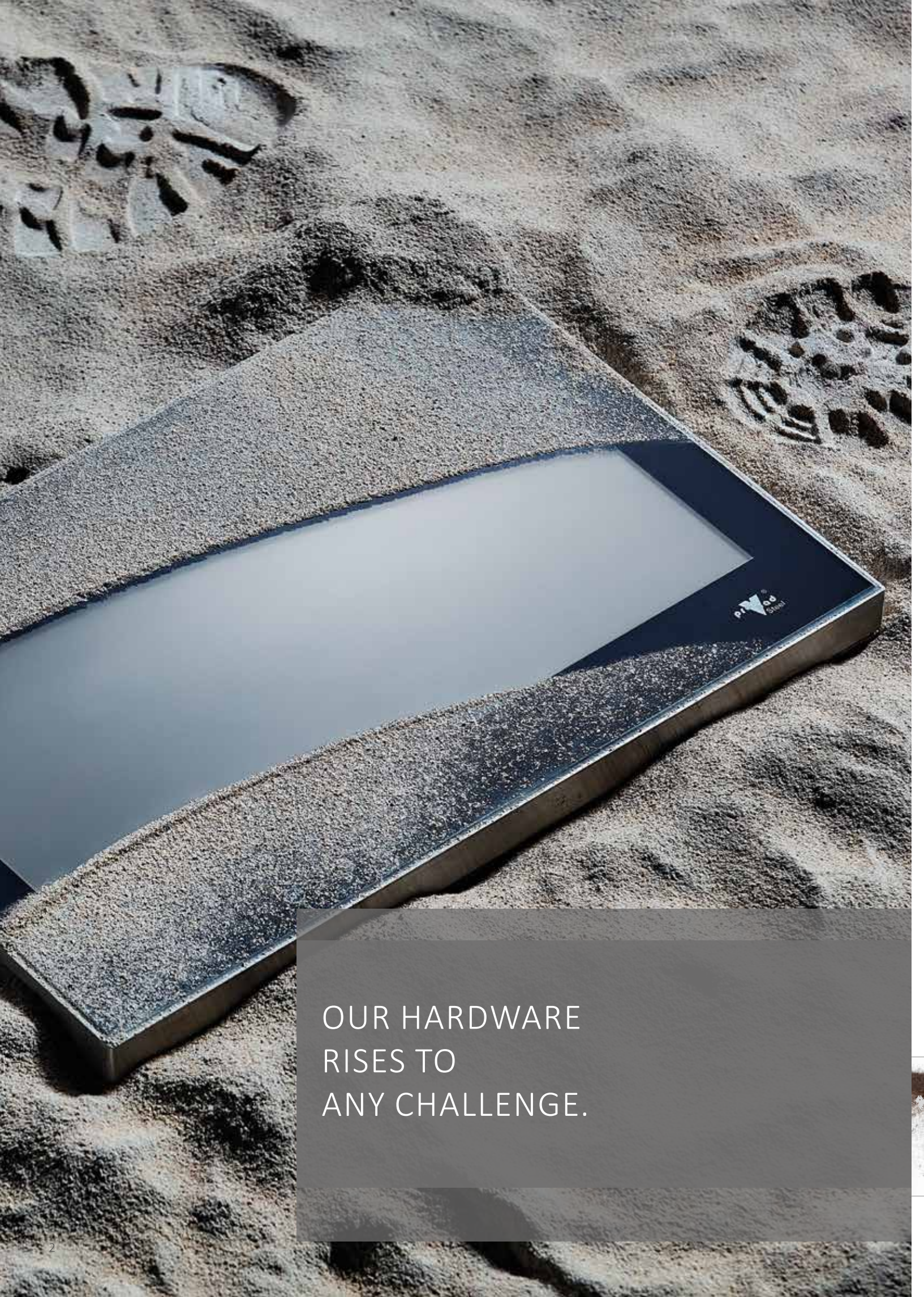


PRO-V-WARE

HARDWARE FOR PROFESSIONAL USE

DEVELOPMENT,
PRODUCTION
AND SERVICE
ON SITE
DORTMUND





OUR HARDWARE
RISES TO
ANY CHALLENGE.

QUALITY FOR HIGHEST DEMANDS

For more than three decades, we have shown the market the value of our overall solutions for logistics and industry. We have been manufacturing industrial hardware “Made-in-Germany” at our Dortmund site since 1983, from terminals for forklift trucks to dialogue systems. proLogistik stands out with its long experience, competent consulting, and customer-oriented service.

TECHNOLOGY – MADE IN GERMANY

The hardware is developed, produced, and subjected to long-term tests in our company. Our development department works according to the state of the art and guarantees smooth communication with different systems. High processing quality and transparent cost control are a matter of course for us.

Due to our production site in Germany, you can profit from short waiting times and our comprehensive repair service. We put value on having accessories and spare parts for all our installations available in the long term. In order to meet our demand for innovation and performance, we have never ceased to develop our systems and technology since the first days of our company – and neither will we stop in future. We continually set new, innovative targets that we consistently pursue with our customers. After all, your success is our greatest source of motivation!

EVERYTHING FROM A SINGLE SOURCE

In addition to our internally developed and produced industrial PC series „pro-V-pad“ and our dialogue system „pro-Voice“, we also offer a comprehensive hardware portfolio of leading manufacturers, as well as everything around the subject of warehouse marking, consumables and labels.

QUALITY THAT PAYS OFF

The diverse applications of our high-performance hardware solutions have already convinced our customers. No matter how diverse needs are - no matter if the hardware has to resist low temperatures in the frosty deep-freeze warehouse or fine dust in production - we offer the solution to match your application.

DEVELOPMENT
PRODUCTION
AND SERVICE
AT THE
DORTMUND SITE



pro-V-pad Terminals

ROBUST. LONG-LIVED. RELIABLE.



PRO-V-PAD STEEL IP65

The pro-V-pad Steel is a high-performance industrial PC with a special housing concept. It meets the highest demands for stability, resilience, and flexibility. The strengths and efficiency of the pro-V-pad Steel are particularly evident in the challenging “heavy-duty” applications in the chemical and construction industry, where conventional PCs reach their limits. The high-performance terminal PC meets the highest demands with pure power.

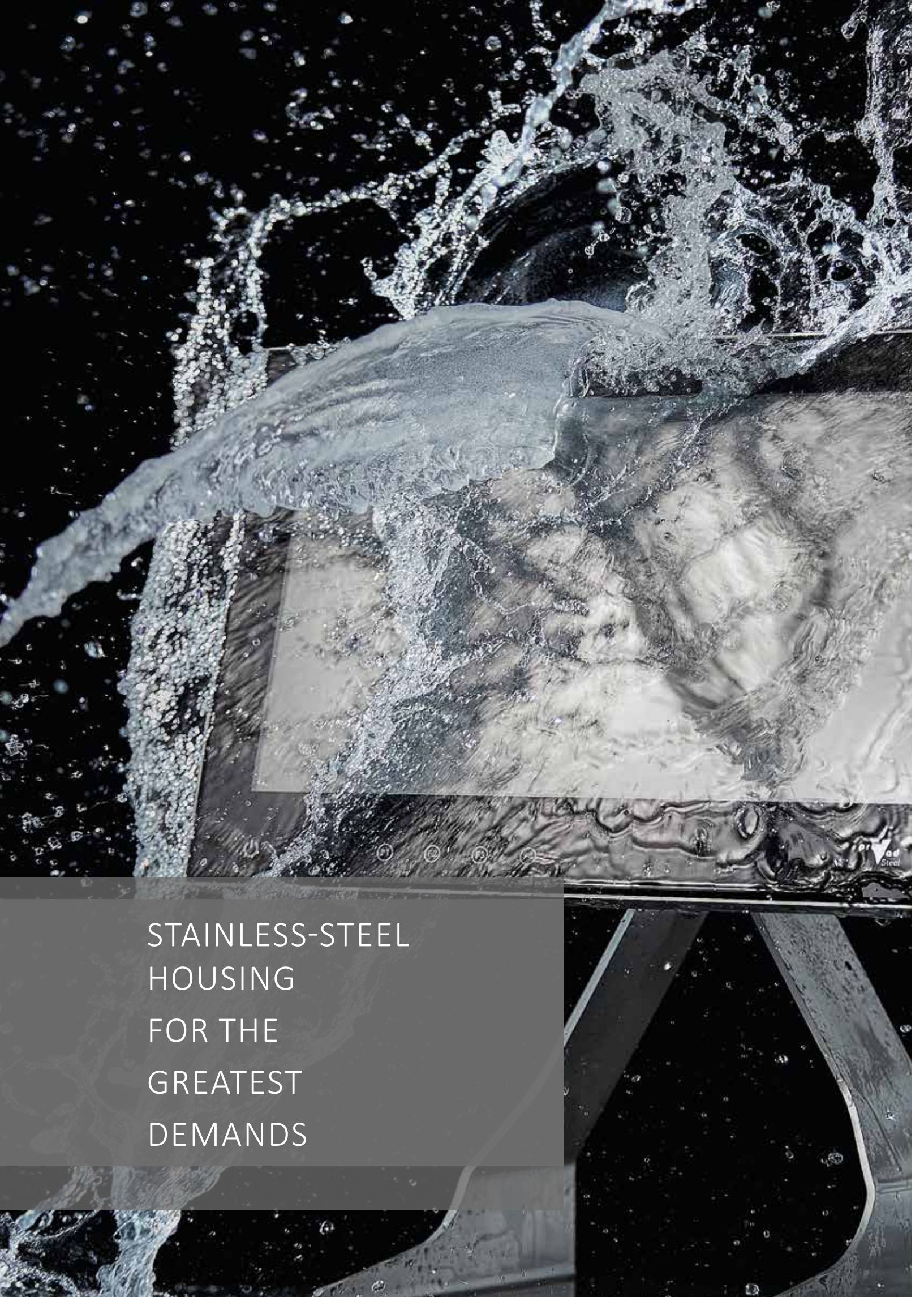
- Intel® Whiskey Lake, Intel® Skylake
- Stainless-steel housing V4A
- Display diagonals of 15.6 and 21.5
- High quality projected capacitive touchscreen





ptv[®]

FOCUSED RESILIENCE
AGAINST EXTREME
INDUSTRIAL ENVIRONMENTS.



STAINLESS-STEEL
HOUSING
FOR THE
GREATEST
DEMANDS

316L
Steel

pro-V-pad Terminals

HYGIENIC. SEALED. RESISTENT.

PRO-V-PAD STEEL IP69K

The pro-V-pad Steel IP69k is designed particularly for hygienically sensitive food-processing, pharmaceutical, and clinical applications. Due to the high protection class IP69k this industrial PC with its completely closed V4A stainless-steel housing is water-proof and absolutely robust. No matter whether you are using hot water, high pressure, or disinfectants for cleaning: the food-safe seals permit complete cleaning by any method.

- Intel® Whiskey Lake, Intel® Skylake
- Stainless-steel housing V4A
- Display diagonals of 15.0 and 21.5
- High quality projected capacitive touchscreen



pro-V-pad Terminals

MOBILE. HIGH-QUALITY. STABLE.



PRO-V-PAD CLASSIC

The pro-V-pad Classic is the all-rounder for the logistics industry. With its high-performance and robust build in IP65, the classic convinces as a terminal for forklift trucks and as a mobile picking device alike. The pro V-pad Classic can also be connected to any warehouse management system, independently and flexibly. It clearly is the high-quality classic among the terminal PCs

- Intel® Whiskey Lake, Intel® Skylake und ARM® Prozessoren
- Display diagonals of 10.4, 12.1, 15.0, and 19.0
- High quality projected capacitive touchscreen



THE FLEXIBLE AND
POWERFUL
ALL-ROUNDER.





MANY YEARS OF
PERFORMANCE,
EVEN IN ROUGH
ENVIRONMENTS.

pro-V-pad Terminals

RESILIENT. COMPACT. POWERFUL.

PRO-V-PANEL

The pro-V-panel is the ideal terminal for installation in manufacturing and production. It can flexibly be connected to any production system. Its comprehensive equipment permits individual configuration so that it can be used in many different industries. Of course, the pro-V-panel is also available as an Android version – “custom-made” by proLogistik.

- Intel® Whiskey Lake, Intel® Skylake
- Display diagonals of 13.3, 15.6, 18.5, and 21.5
- Suitable for integration in control cabinet doors, walls, or control panels



pro-Voice Dialogue System

MOBILE. FLEXIBLE. ERGONOMIC.

The Voice-System by proLogistik is a speaker-independent speech-supported dialogue system that optimises work processes in different areas of use; pro-Voice can be used, for example, in logistics in the area of picking (Pick-by-Voice), in inbound or outbound goods, in inventory or in quality inspection. Use of a speech-controlled dialogue system is sensible outside of logistics as well, e.g. in industrial applications such as machine control or control of driverless transport vehicles.

WHY SHOULD YOU USE A VOICE SYSTEM?

- Efficiency increase through faster work processes
- Big time savings
- Error rate reduction

WHY PRO-VOICE BY PROLOGISTIK?

- Software-independent – connection to any ERP or WMS
- Speaker-independent/ employee-independent – no teaching required
- More than 25 languages and dialects available
- Multilingual use possible
- Bluetooth or wired uses filtering out of background sounds
- High wearing comfort from light-weight rechargeable battery and a flat build
- Comprehensive headset delivery program, no manufacturer restrictions
- pro-Voice Coach: 2nd Headset can be connected, speakers for listening in

WHAT SERVICES CAN YOU GET FROM US?

- Devices for rent for tests
- Comprehensive advice before, during and after installation
- Support in commissioning on site
- Dedicated service department with 24/7 hotline
- Device defective? Dedicated repair department with short throughput times
- Management and administration tool for all devices



AREAS OF USE

LOGISTICS

Goods receipt

Inbound goods inspection, putaway

Goods provision

Picking, transfers, top-up supply, cross-docking processes, inventory

Outbound goods

Quality assurance, goods inspection, full and partial controls, loading

Industrial applications

Machine control of Automated Guided Vehicles (AGVs)

Other industries

Trade, production, aviation, automotive, healthcare



TECHNICAL DATA

- Mute function
- Battery replacement by “hot swap” function:
 - Internal battery buffer when replacing the external battery
- Speech synthesis, from the client
- Integrated Bluetooth module
- Integrated WLAN module IEEE 802.11 a/b/g/n
- Integrated antenna broadband radio technology/Bluetooth
- Operating system: Linux
- OMAP 4460 2x 1.2 GHz
- NAND Flash 1 GB RAM 1 GB on board
- Power supply 7.2 V, 2600 mAh Li-ION battery or Power battery 5,200 mAh
- Housing sizes: (L x W x D) 137 x 85 x 28 mm incl. rechargeable battery
- Weight 160 g without battery, total weight 265 g incl. standard rechargeable battery
- Standard rechargeable battery dimensions: 85 x 47 x 22 mm / weight 105 g
- Power battery dimensions: 85 x 87 x 22 mm / weight 210 g
- More power – 2 CPU-cores designed for future software adjustments

INTEGRATION OPTIONS

pro-Voice Easy

Can be used for many different application processes. Own connection to/implementation in dedicated software systems by the customer is possible very quickly.

pro-Voice Smart

Already-present picking processes are converted to hands-free by pro-Voice converter (e.g. from terminals or hand-held units to voice).

pro-Voice Expert

Implementation of a complete picking solution (e.g. picking strategies, control centre, path optimisation).

pro-Voice SAP

Interface with SAP, 100% integrated

pro-Voice XLS

Software for connection of the pro-Voice clients to Microsoft Excel



PL-PICK & GUIDE

Dual picking – seeing and hearing work processes

To reduce the error rate in picking, a module has been developed that supports visually by product and storage location display in addition to speech-controlled picking. The pL-Pick & Guide software module implements dual processes in processing of complex processes; this enables deviations to be recognised more quickly in the figures. The error rate in picking is clearly reduced with this support by speech-controlled processes (Pick-by-Voice) in combination with visual information. On the other hand, the picking process is rendered more efficient since the employee will have both hands free and is able to focus entirely on the Pick-by-Voice statements by headset.

Benefits of Pick & Guide

- Visual support of product and storage location images
- Support of complex processes
- Dual organisation processes in the classical Move-by-Voice area
- Dual picking processes in the classical Move-by-Voice area
- Higher mobility of the employee by hands-free processes and Bluetooth technology
- integration of innovative Id-techniques, such as RFID and scanner technology



Hand Cart

THE MOBILE WORK STATION

The proLogistik hand cart serves as a mobile workstation, e.g. for goods receipt or for quality inspection in the warehouse. A mobile on-board computer (e.g. the proLogistik pro-V-pads), a scanner holder, a label printer, and a battery box can be mounted on the hand cart, rendering it independent of the mains and permitting flexible use in the warehouse.

The hand cart has many practical functions. The four casters ensure the highest mobility. The deposit surfaces with integrated storage space create enough space for the employee's work documents. With a carrying strength of 100 kg, the hand cart is ready to race the rough everyday work in logistics and in daily use.

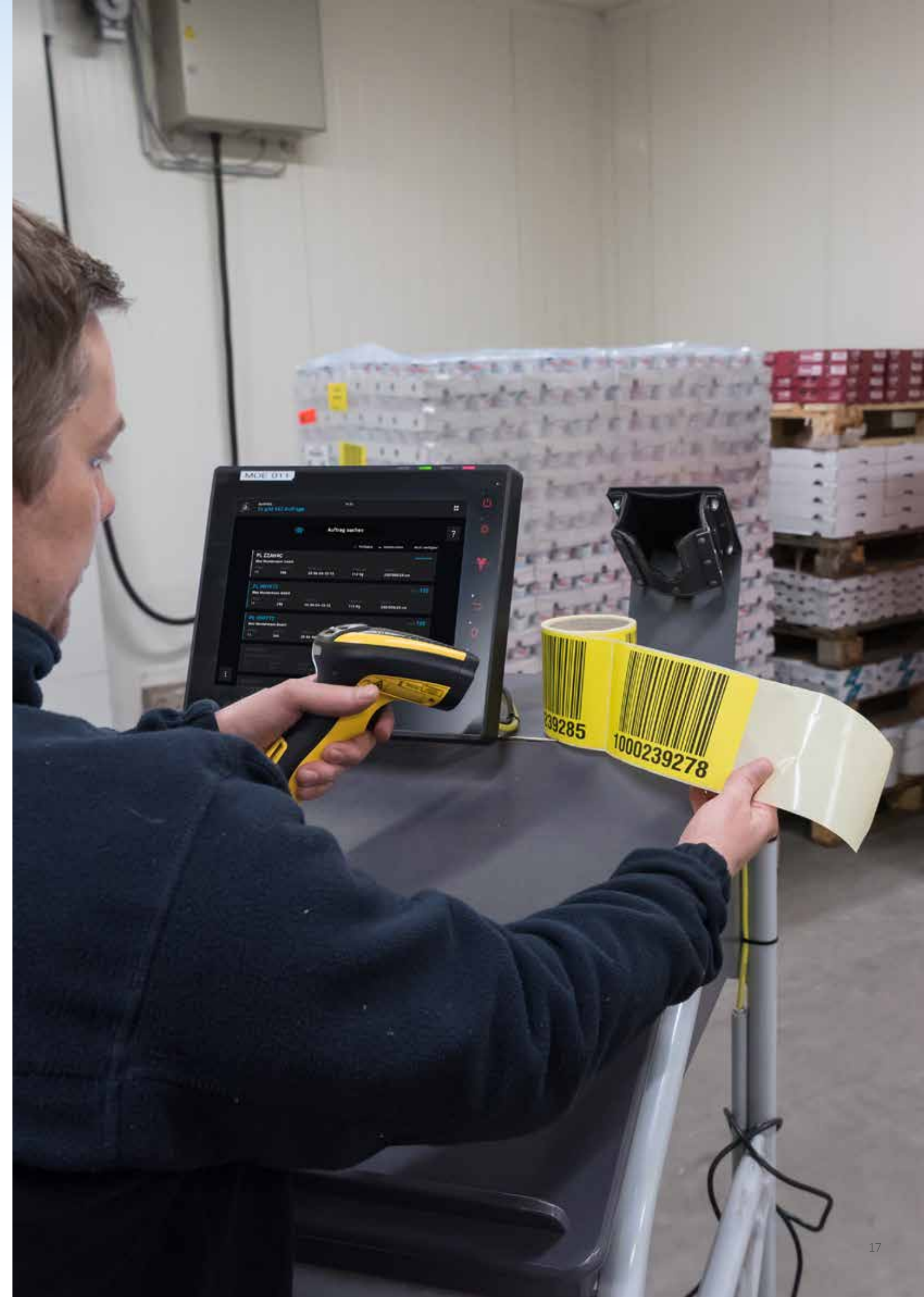
The proLogistik hand cart can be customised and varied in equipment and set-up. It can be adjusted to requirements. We also offer the matching hardware, such as on-board computers, printers, scanners with holders and battery boxes.

TECHNICAL DATA

Standard model without hardware

- Dimension: 1,120 x 550 x 580 mm (H x W x D)
- Carrying strength: 100 kg
- Dead weight (without hardware):
39 kg Integrated cable duct
- Four casters
- Parking brake at the front casters.
- Special deposit for battery and printer.
Customisation possible upon request





MOE 013

7:30 AM 10/12/2016

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Mobile Data Acquisition And Warehouse Labelling

PROSCAN SPECIALIST AREA



proLogistik's proScan specialist area has extended hardware offers for mobile data acquisition and warehouse labelling. The range covers anything from hand-held readers and scanners, to printing systems, to labels and ribbons. We cooperate only with renowned manufactures such as Zebra, Datalogic, Honeywell and Toshiba in order to offer you a wide-spread and high-quality range of additional hardware.

LABELS & RIBBONS

- Printed and blank labels
- Labels for the areas of:
 - » Logistics
 - » Warehouse
 - » Office
 - » Refrigeration up to -60 °C
 - » Manufacturing
- Plastic labels for outdoor marking
- Sample material for adhesive or scanning test
- Labelling advice from trained staff with many years of experience
- Ink ribbons to match any printer
- Label contracts
- Label installation
- Label design software/design programmes
- Test records with precise evaluations of the barcode label

EPAPER

- Electronic paper with individual display and various sizes; fully graphical e-ink paper display
- Battery service life up to 5 years
- Pixel colours in black and white, or black, white, and red
- Viewing angle nearly 180 degrees

MANUFACTURER

CASIO



Honeywell



BARCODE SCANNERS

No matter if you need to scan in the warehouse, in retail or in industry: we have a matching barcode scanner for your application. In particular input mistakes that may happen in manual data recording are a thing of the past with barcode scanners.



HANDHELD TERMINAL

Mobile data recording simplifies goods handling in the warehouse and in production. The data can be reviewed, confirmed, and reported back to an ERP or WMS system via a browser directly online on the server or in a stationary system. Profit from the advantages of mobile data recording and precise coordination between barcode scanners, mobile terminals, and barcode printers with the processing system.



LABEL PRINTERS

The matching printer for every application

Thermal direct printers and thermal transfer printers with different performance features permit quick and brilliant printing of the required labels for barcode processing. We offer both label printers and a large range of accessories and consumables for them.



UNIVERSAL STAINLESS-STEEL PRINTER HOUSING

The stainless-steel printer housing is the ideal protection for large label printers that must withstand rough environments. The housing is customised to your printer model and will let you insert your own printer. Inside these perfectly water-tight and indestructible capsules, the printer is placed on an extendible sliding rail. This way, the printer can be comfortably slid in or out, in order to replace label rolls or ink ribbons, or to make printer settings. We offer matching ink printing material to go with it, of course!





WLAN Coverage

WITHOUT INTERFERENCE AND QUICK

Radio data transmission from mobile devices such as terminals or voice solutions usually takes place in the Wi-Fi network.

The interaction of the factors relevant for Wi-Fi, such as signal field strength, signal-noise-ratio, and interferences, decides on whether radio-, intralogistics work can be performed. A site survey analysis is the first step to achieve optimal and seamless supply across the entire area in your company.

To begin with, your requirements will need to be specified: Which areas of your operating premises are relevant and require optimal supply? What is your company's usage behaviour and which processes do you need radio transmission for?

We will gladly advise you on the selection of, and decisions concerning, a suitable Wi-Fi standard.

OPTIMAL POSITIONING OF ACCESS POINTS IS ESSENTIAL

The basis for performing a site survey is a current warehouse layout or a layout of the operating premises. The target is to determine optimal positioning of the transmission and reception station (Access Point), under consideration of the lowest possible material effort. The measurement – the site survey analysis – is performed with special software.

The result of this analysis is a detailed documentation that contains all relevant information for installation and analysis of the Wi-Fi.

Contact us for a site survey analysis. Our experience, over many years in the industry, in handling the associated hardware enables us to advise you in procurement and configuration of your stationary radio hardware as well.

Service

FAST. NEARBY. RELIABLE.

UNCOMPROMISING CUSTOMER SERVICE WITH REPAIR, MAINTENANCE, TRAINING

Our comprehensive service lets you sit back and relax. pL-Hardware will secure your supply from Germany and Europe around the clock, 365 days a year. Our contacts are always there for you and will gladly respond to your queries. You will have a permanent contact to support you at need and to answer any questions you may have.

The pL-hardware service offer comprises an all-round service across the entire service life of your hardware. We will help you select the right products, support you during commissioning, and offer you training. We will also always help you process any changes to your configuration, replacement, and handling of repairs or maintenance work.

SMOOTH OPERATION GUARANTEED

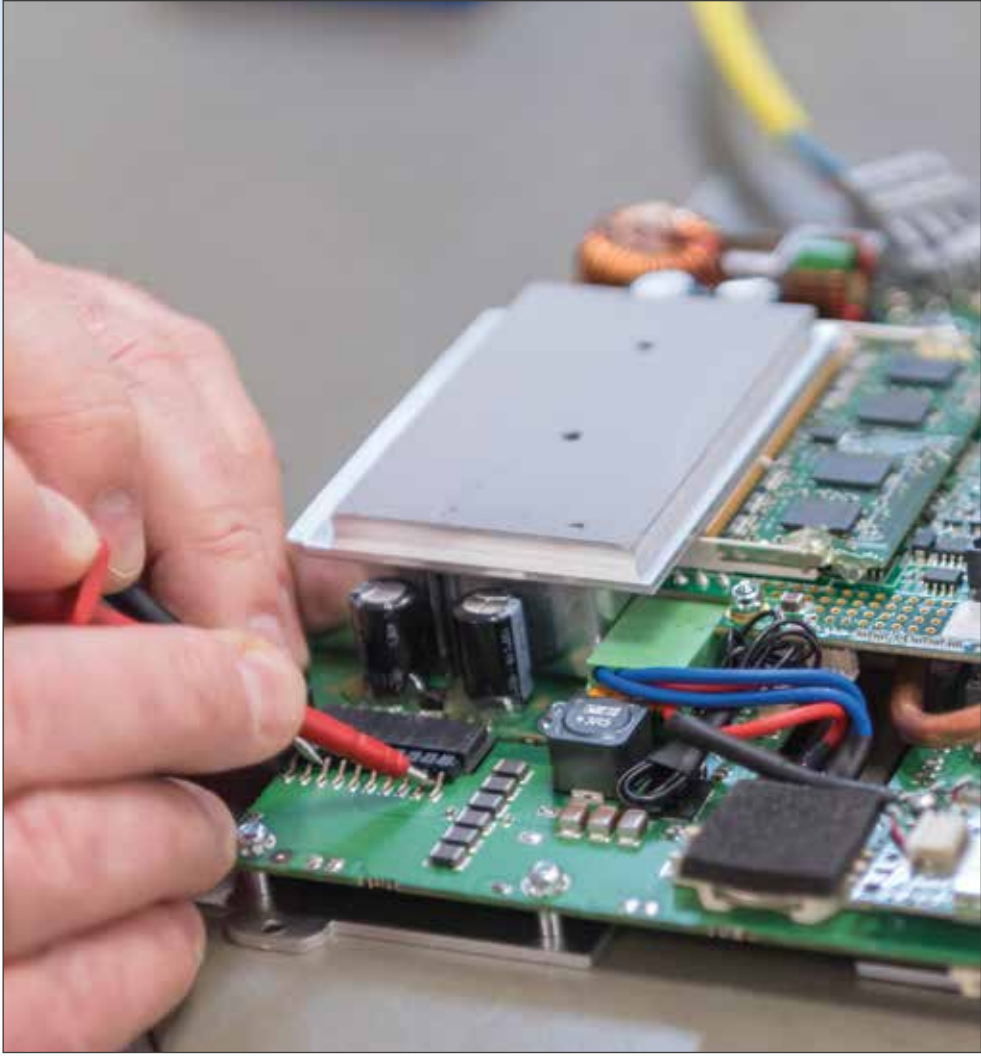
Only expert technicians take your telephone calls and enquiries in order to ensure a smooth process and to remedy faults as quickly as possible. We guarantee a quick response and implementation by our service staff since we receive requests directly via a ticket system.

CUSTOMISABLE SERVICE PACKAGES

We will decide on the services from our comprehensive offer that you are going to use together, based on your specific needs. Our contacts are always there for you and will gladly respond to your queries.

COMPETENT SUPPORT

- Detailed analysis of the demand situation and potential for optimisation
- Module-based for maximum flexibility
- Commissioning support
- Sustainable service by qualified employees
- Continuous optimisation of existing installations
- Investment security from long-term availability of devices and spare parts
- Short repair throughput times
- In-house repair / bring-in service





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