

Committed to excellence



HARDWARE AND SERVICE FOR BUSINESS AND INDUSTRIAL USE-CASES

V1.0

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Our Product Portfolio

 Semiconductors

 Boards & Systems

 Passive Components

 Storage Technologies

 Electromechanical Components

 Wireless Technologies

 Displays & Monitors

Our Initiatives



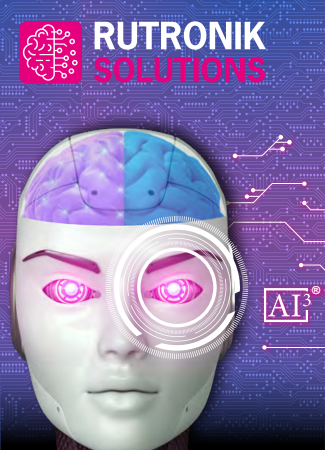


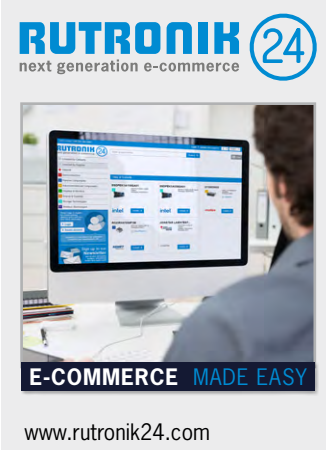












Committed to excellence

Consult – Know-how. Built-in.
The Technical Competence from RUTRONIK
Worldwide and individual consulting on the spot by competent sales staff, application engineers & product specialists.

Components – Variety. Built-in.
The Product Portfolio from RUTRONIK
Wide product range of semiconductors, passive and electromechanical components, displays & monitors, boards & systems, storage and wireless technologies for optimum coverage of your needs.

Logistics – Reliability. Built-in.
The Delivery Service from RUTRONIK
Innovative and flexible solutions: from supply chain management to individual logistics systems.

Quality – Security. Built-in.
Quality without Compromise from RUTRONIK
The integrated management system (IMS) encompasses quality control, information security, environmental protection, occupational health and safety.







Hardware and service for business and industrial use-cases

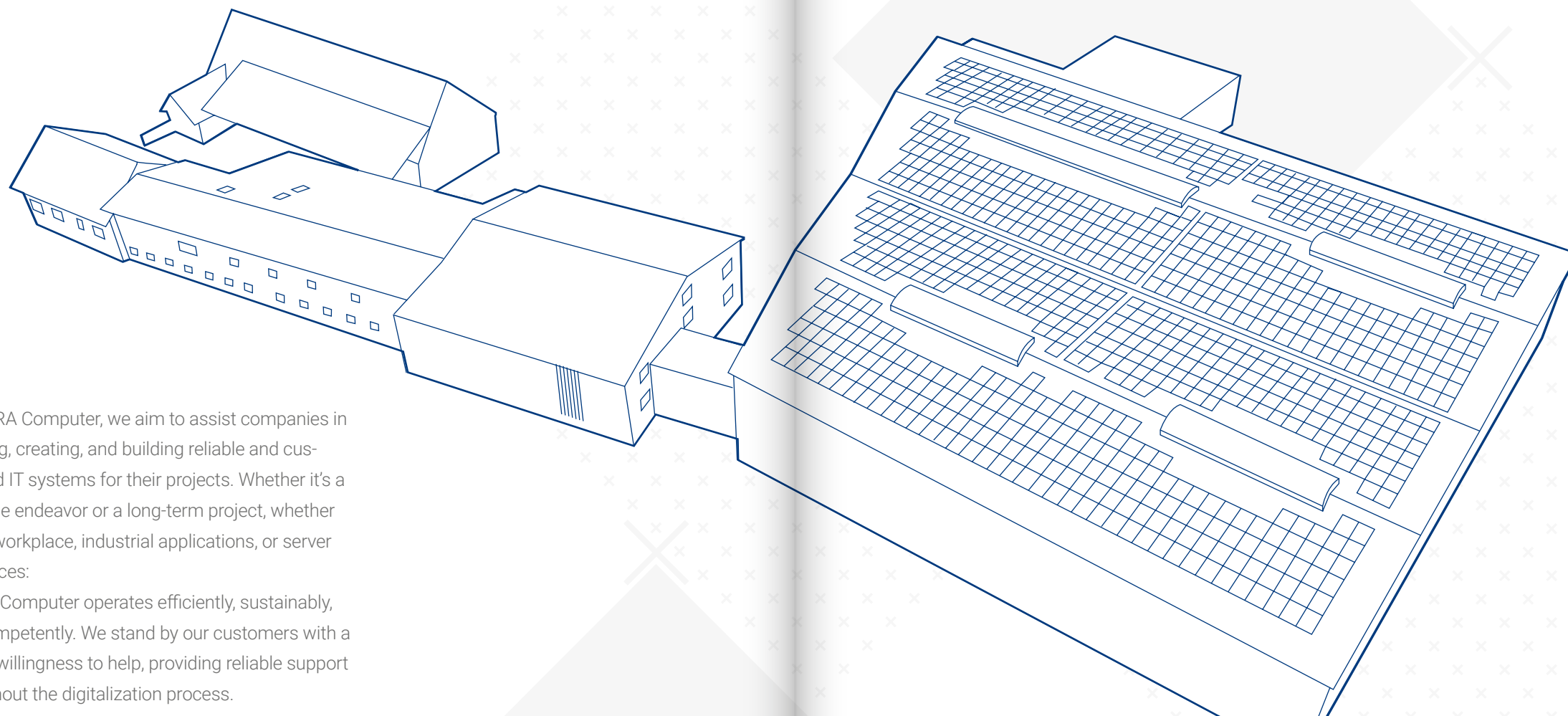
Rutronik IT Electronics explicitly targets IT system integrators and resellers with an extensive portfolio of PC components and systems. This includes everything needed to build a business or gaming PC, an entire server or data center. Extra Computer is both a long-standing customer of Rutronik and a supplier of IT products, and Rutronik offers the complete Extra product range at special conditions. Find out more in this brochure.

EXTRA
COMPUTER GMBH



YOU CAN RELY ON EVERY SINGLE EMPLOYEE
IN OUR COMPANY. THEY ALL STAND
FOR PERFECT QUALITY, RELIABILITY AND
SOLUTIONS THAT MEET THE HIGHEST
DEMANDS.

OUR MISSION



At EXTRA Computer, we aim to assist companies in planning, creating, and building reliable and customized IT systems for their projects. Whether it's a one-time endeavor or a long-term project, whether it's for workplace, industrial applications, or server appliances:

EXTRA Computer operates efficiently, sustainably, and competently. We stand by our customers with a strong willingness to help, providing reliable support throughout the digitalization process.

ALWAYS FOCUSED ON THE
CUSTOMERS REQUIREMENTS.

WHY OVER 3.000 IT RESELLERS AND SYSTEM HOUSES WORK WITH US.



CHANNEL

- » Purchase directly from the manufacturer, no detour via a distributor
- » Extensive project support
- » Lead generation



PRE-INSTALLATION

- » Individual pre-installation
- » Free of advertising software
- » Individual RAID configuration
- » Individual partitioning



EMPLOYEES

- » Longtime employees
- » Known contact persons
- » No long hotline waiting
- » Short decision paths
- » Personal account manager



EXPERT-TEAMS

- » On site project investigation



PRODUCT RANGE

- » Many configurations available from stock
- » Extensive ranges for many special requirements
- » Extensive solution ranges
- » Almost any configuration possible via BTO
- » Hardware-based remote maintenance already included in entry-level server solutions



TRAINING

- » Free webinars
- » Workshops
- » Hands-on workshops
- » Certification trainings



SERVICE SUPPORT

- » Online database support (technology blog) with common problems
- » Qualified, free support (L1/L2) by email or telephone



FROM SMB TO SMB



QUALITY

- » Multiple quality checks
- » Fundamental use of 24/7 hardware for server systems, even in the entry-level range
- » Extensive burn-in tests
- » DIN ISO 9001 certified company processes
- » VMware/Microsoft HCL certified components
- » Made in Germany



SERVICE

- » On-site service
- » Technical support
- » exone Consulting & Services
- » Pre-sales consulting (for free)
- » Test and loan provision possible

OUR BRANDS

With our own brands exone®, Calmo® and Pokini, EXTRA Computer GmbH has been developing, producing and supplying reliable business IT systems and robust industrial IT solutions for companies since 1989.

We put our heart and soul into uncompromising hardware of the highest quality, perfected by intelligent details and competent service. We offer future-oriented innovations in corporate IT that are convincing in professional use beyond Germany.

exone

RELIABLE IT SYSTEMS,
OPTIMIZED FOR PROFESSIONAL
BUSINESS ENVIRONMENTS.

Pokini

EXTREMELY ROBUST IT HARD-
WARE, DESIGNED FOR THE MOST
DEMANDING APPLICATIONS.

calmo

DURABLE IT HARDWARE FOR
INDUSTRIAL APPLICATIONS -
DEVELOPED IN GERMANY.

OUR PRODUCTS FOR YOUR TASKS

Our broad and highly specialized product range offers precisely tailored solutions for your requirements in demanding corporate environments. Our IT products are always one step ahead of the times and demonstrate their advantages in long-term use, be it PC systems, notebooks, workstations, servers, storage solutions, industrial PCs, rugged tablets and laptops or exone.cloud services.

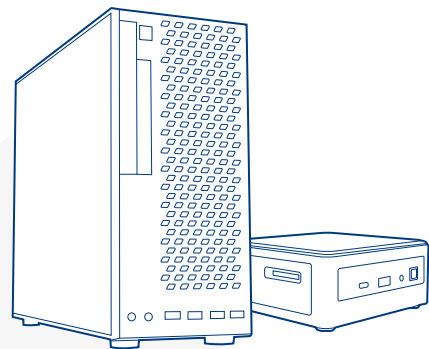
EXTRA
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BUSINESS-IT

WE PROVIDE THE RIGHT SYSTEM FOR YOU

exone

PC SYSTEMS

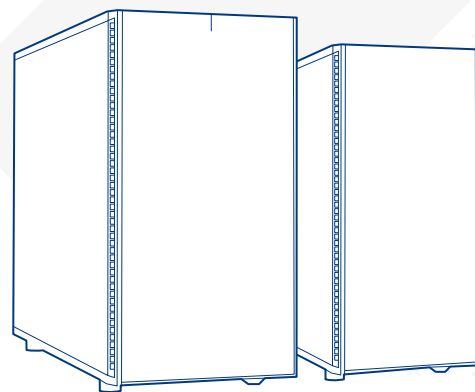


- » Individual configuration
- » Long image stability
- » Very quiet and energy-saving
- » Standardized housing series
- » Extensive product portfolio
- » Numerous PCs in stock

quiet & economical

exone PC systems offer both high-quality and high-performance as well as completely customized concepts. They combine the latest, perfectly matched components, noise reduction and energy-saving aspects for the best possible overall quality. Long-term image stability and a variety of housing options are also available.

WORKSTATIONS



- » Maximum performance
- » Certified graphics cards
- » Wide range of connection options
- » Flexibly expandable
- » Energy-saving
- » Extensive support services

high performance

Powerful processors, certified graphics cards, individual equipment and performance that is second to none. These are the features of an exone workstation. Especially in the industrial sector, for example for CAD applications or complex simulating tasks.

NOTEBOOKS

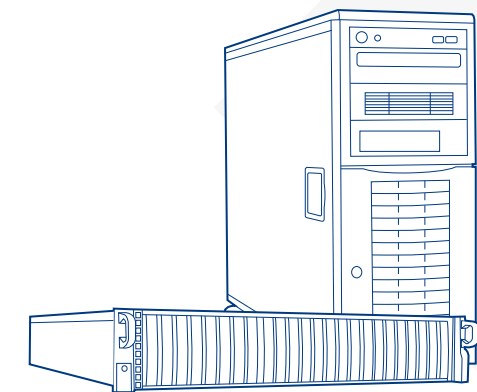


- » Wide range of notebook models
- » Docking stations available
- » Anti-glare displays
- » Flexible and individual configuration
- » Elegant and high-quality design
- » Extensive and professional service options

compact & flexible

exone notebooks are tailored to the requirements of the business sector. Attractive design, docking stations, long battery life and powerful hardware ensure smooth processes - every day.

SERVER



- » Complete solution concepts for virtualization and high availability
- » Flexible built-to-order solutions
- » Many configurations also available from stock
- » Free and individual pre-installation
- » Extensive technical support
- » Individual on-site service

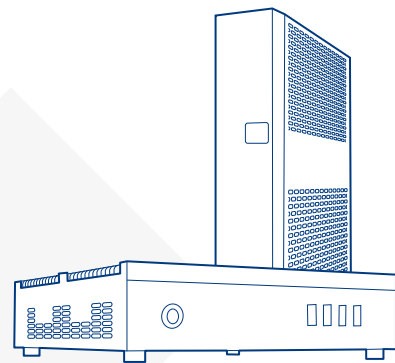
customized

Perfection inside and out. Servers from exone offer a suitable solution for every requirement. Reliability, flexibility and excellent performance as well as various high-quality housing variants create a basis for many areas of application.

INDUSTRIAL-IT

LONG-TERM SOLUTION FOR THE INDUSTRY

CALMO INDUSTRIAL PCS

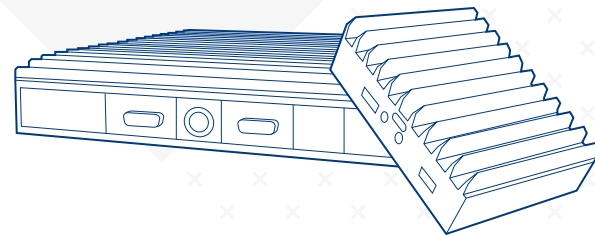


- » Configurable, individual solutions
- » Production, assembly and service from and in Germany (89537 Giengen)
- » Own product series
- » Long-term availability
- » Mainboards from Kontron - Made in Germany
- » Reliable products in every performance range up to protection class IP65K

custom-fit & individual

Modern industrial hardware must adapt to your local conditions - not the other way around. That's why we recommend our specially developed and produced industrial systems. Whether in dusty environments or integrated in a cramped control cabinet. From rack systems for machine control to fanless cloud gateways and special solutions.

POKINI INDUSTRIAL PCS



- » Competent, fast and solution-oriented project support
- » Suitable for 24/7 continuous operation
- » - 40°C to + 85°C operating temperature
- » High variety of interfaces
- » Low power consumption and different voltage ranges
- » Closed die-cast aluminum housing
- » Long product availability of up to 10 years

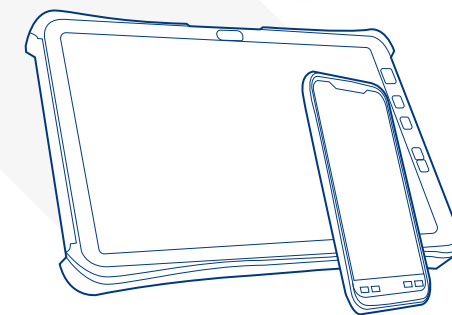
robust & fanless

Water, fire, dust - the industrial environment has very special requirements for IT. The computer solutions from Calmo and Pokini, specially developed for industry, can also meet these requirements. Benefit from our know-how and experience from batch size 1 to large-scale projects.

calmo

Pokini

POKINI RUGGED TABLET PCS

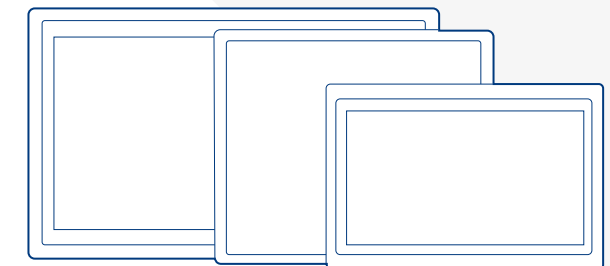


- » Extensive product portfolio for professional users (5" to 12" inch)
- » Highly qualified on-site advice from our team of experts
- » Loan/test positions in the project area
- » Own tablet service options (e.g. warranty extensions and on-site service)
- » In-house service center (extensive spare parts warehouse)

flexible & versatile

Equipped with brilliant displays, robust housings, high-quality components and tested under real-life conditions, tablet PCs offer a wealth of possible applications for everyday mobile use.

CALMO & POKINI PANEL PCS



- » Display sizes from 10.1" to 23.5"
- » State-of-the-art capacitive PCAP touch technology
- » Operation with latex, work and ESD gloves
- » Fanless and appealing housing design
- » Stainless steel version classified according to IP69K
- » The right CPU performance for every application
- » Optionally with antibacterial touch surface

intuitive to use

Due the unstoppable digitalization, traditional production sites are needed powerful and robust computers. A clear and brilliant image, coupled with intuitive operation, helps to increase efficiency. The necessary integration options in standard production control cabinets are included.

WE ARE YOUR PARTNER FOR IT MANUFACTURING PROVIDING A SUSTAINABLE PARTNERSHIP

Our very high level of technical and commercial understanding experts are available to you in all areas of the company. We always seek personal contact - whether this is through a permanent contact person in the office or through our field service directly on your premises.



COMPREHENSIVE CAREFREE PACKAGE

Our customized support:

It's not just our solutions that are tailored to your needs, but also our entire customer service. With us, you not only have a fixed contact person in sales, but also the combined expertise of our teams of experts in each product area.

Individual pre-installation

Save yourself valuable time and money by installing and setting up your customer systems by hand. We install the desired software for you directly and individually.

More information at:

www.extracomputer.de/softwareselect

Professional project support

We are pleased to offer professional project support. Our teams of experts and sales representatives will guide you through every step of your project, including liaising with the end customer (if desired). Our comprehensive services cover loan/test positions, project pricing, and more

Individual branding

Recognition is everything! That's why we are happy to step into the background and apply your logo to the systems on request. With state-of-the-art UV direct printing, high-quality aluminum stickers and painting according to your specifications. We will be happy to advise you.

NOTHING IS IMPOSSIBLE

Every company is different

Industrial applications span a wide range of sectors and often push standard hardware to its limits. Particularly in the age of digitalization, the term "Industry 4.0" is gaining prominence and finding applications that might initially seem improbable. In the field of mechanical engineering, for example, automation has become an economically important component that must be successively expanded. Increased temperature, high dust levels, continuous operation, oily operating environments, increased humidity and much more. This requires reliable and adaptable hardware that can withstand adverse conditions.

Development with the latest CAD software

Using the latest CAD technology and software, our skilled employees create precise designs for housing, front panels, or complete custom solutions tailored to your specifications. These designs are rendered in photo-realistic 3D and can be interactively explored.

Benefit from our many years of experience in the construction of special solutions and our high level of technical expertise.



WE DEVELOP CUSTOMIZED
SOLUTIONS FOR YOU.
OUR OWN DEVELOPMENT
DEPARTMENT TAKES CARE
OF EVERYTHING FROM
CONCEPTION, TESTING AND
PRODUCTION.

YOUR REQUIREMENTS OUR SOLUTIONS

Being able to offer each customer an individual solution transforms the array of diverse requirements into a powerful uniqueness. Through this specialization, we diligently contribute to your success every day. It is not just our solutions that are tailored to your needs, but also our entire customer service. Thanks to personal contacts and highly motivated teams of experts, our customers enjoy professional advice down to the last detail. Of course you can also rely on us after the purchase: Our service is in no way inferior to the reliability of our products.

OUR MANUFACTURING SERVICES

We provide IT and electronic assembly services utilizing our production capacities. Our trained and skilled staff is able to assemble your devices using cutting-edge technology and production lines. Our quality management system ensures consistent design and value.

- » Customized image refueling
- » 100% quality assurance and extensive testing
- » PC systems, notebooks, tablet PCs, industrial PCs, servers and more
- » Production with 2 lines incl. buffer lift
- » Customized branding
- » Freezing of BIOS versions and settings



QUALITY FIRST.
ASSEMBLY-PARTNER NO. 1

EXTRA
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GERMAN QUALITY DETAILED PERFECTION

Handcrafted quality

At EXTRA Computer, we take pride in delivering meticulously handcrafted solutions. Our dedicated employees collaborate seamlessly across various departments, consistently delivering top performance and unwavering passion. From purchasing and product development to production, quality assurance, sales, support, and logistics, each team member plays a crucial role. Our commitment extends beyond mere functionality. Every system we create carries a piece of our collective heart and soul. This philosophy ensures that our products are not just assembled; they are crafted with care. We offer for you clear added value: the highest quality and the shortest delivery times - „Made in Germany“ since 1989.

For every size. And every industry.

Whether you are a small business, medium-sized company or large-scale project, we are the right partner for every requirement. Our advantages at a glance:

- » Solid and reliable
- » Stable market presence since 1989
- » Motivated, qualified and long-standing employees
- » High training rate
- » Development and production directly at the headquarters in Giengen an der Brenz
- » You buy directly from the manufacturer
- » high level of technical expertise



Use Case:

DURABLE AND CYBER- SECURE IT HARDWARE FOR AIRPORTS

PROJECT INSIGHTS: IT-HARDWARE FOR AIRPORTS

CALMO INDUSTRIAL PCS: THE FIRST CHOICE FOR PUBLIC TRANSPORTATION

Together with our partners and specialist dealers houses, we have already shouldered many projects. Thanks to our broad portfolio and the brands exone for business IT and Calmo and Pokini for industry and rugged mobile devices, we are the ideal partner for projects of all sizes.

Calmo hardware is designed for applications with low fault tolerance and is therefore often used in transportation hubs such as airports. Among other things, control systems, advertising displays, baggage handling technology and security systems are supported by our hardware and fulfill many security guidelines and safety precautions. For this reason, Calmo industrial PCs with Kontron motherboards are the first choice when it comes to reliability, quality and long-term availability. Calmo has always stood for reliable hardware, for the best possible quality throughout the entire value chain and for excellent service before and after the purchase.



"With our partue Kontron we are steps ahead in terms of quality and long term availability. Developed and produced in Germany, just like our Calmo IPCs."

THE CLOUD AS AN ADVANTAGE

When designing our cloud offering, we focused on making the portal easy to use and implementing it to the highest security standards. The exone.cloud is continuously developed and updated according to these aspects - enables us to always meet the current requirements and expectations of our customers.

The exone.cloud portal gives you the opportunity to easily and flexibly book and manage our cloud services. Benefit from the independence and flexibility of being able to use exone.Cloud interactively at any time – without a minimum term or setup fees.

Why exone.Cloud?

- » ISO 27001 certified main data center in Baden-Württemberg near Ulm
- » Data centers exclusively in Germany and according to the latest standards
- » Direct contact persons
- » Easy-to-use control panel for automated ordering and change processes
- » Fair and transparent billing model

- » Business continuity and disaster recovery
- » Optional choice of secure connection via firewall, as a VM, managed service or dedicated HW solution
- » Incident response, notification and resolution
- » Data protection and compliance in accordance with current laws and guidelines
- » Individual contractual agreements with optional SLA levels

Product range

- » Infrastructure as a Service
- » Various backup options
- » Business Drive powered by Nextcloud
- » eStore mail archiving powered by Mailstore
- » Microsoft CSP licenses
- » Veeam VCSP licenses
- » Housing
- » Dedicated Server

Further information and registration at:

www.exone.cloud

EXTRA
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DYNAMIC USE OF EXTERNAL
RESOURCES – ALTERNATIVE
AND SUPPLEMENT TO LOCAL
INSTALLATIONS.

HIGH AVAILABILITY DUE TO 3.500M² STORAGE AREA

Speed and availability are important factors in customer experience. Also, downtime of industrial system costs time and money. Extensive component / spare parts stocks and systems that are available from stock make us particularly flexible.

- » 3,600 pallet spaces
- » Serial number recording of all articles
- » Over 70,000 parcels per year
- » Same-day shipping
- » Shipping via freight forwarder, express service provider, parcel service provider and courier
- » Shipping also directly to your end customers with a neutral delivery note
- » Fully automated small parts warehouse with 8,400 storage locations
- » Automatic buffer warehouse (commissioner) between pre-assembly and production with 400 storage locations



1989 – Foundation

Foundation of Heinz and Wolfgang Fetzer as a GbR in the family home in Giengen-Sachsenhausen.

1992 – Change of name

Change of name to EXTRA Computer GmbH

1998 – Trainee

Recruitment of first trainee (5)

2002 – Quality management

Introduction of QM and first DIN ISO 9001 certification

2009 – New Logistics center

Start of construction of the new logistics center

2010 – New sales offices

Opening of sales offices in Berlin and Rhine area.

2011 – New Logistics center

Completion of the new logistics center

2011 – New sales offices

Opening of a sales office in Leverkusen.

2012 – Redesign

Spatial redesign: creation of new office space

2013 – Production plant

New production plant with conveyor technology

2013 – Biogas plant

Connection to the neighboring biogas plant

2017 – Production plant

Second production plant with conveyor technology and buffer elevator

2019 – Buffer warehouse

Logistics conversion: automated small parts warehouse and automated buffer warehouse for production orders

2021 – New Sales offices

Sales office in Giengen an der Brenz

2022 – Partnership

Start of the partnership with Thomas-Krenn.AG

2023 – New website

Responsive website with integrated online store www.extracomputer.de

EXTRA COMPUTER SINCE 1989



Data Center | Server | Enterprise



Business | Office



Gaming | Consumer

COMPUTER SYSTEMS AND COMPUTER PARTS ALL FROM ONE SINGLE SOURCE

The launch of the RUTRONIK IT ELECTRONICS division was a logical step in our company's development, enabling us to focus even more strongly on our expertise in the field of computer components and complete systems. This initiative emerged out of RUTRONIK EMBEDDED, as our linecard has long included a large number of manufacturers who offer components and systems for data centers and standard IT in addition to the embedded market. Of course, these products address completely different customer segments than we have been targeting with RUTRONIK EMBEDDED to date. Consequently, products targeted at these customer segments are now offered under the brand RUTRONIK IT ELECTRONICS.

RUTRONIK IT ELECTRONICS offers all components required to build PCs and Data Centers, as well as complete systems ranging from business or gaming PCs to complete servers and many more. For IT system integrators and resellers, RUTRONIK IT ELECTRONICS offers an extensive range of products from carefully selected manufacturers and fast response to lead time and price request. More Information: rutronik.com/rutronik-it-electronics



Find your regional Rutronik contact !



info@rutronik.com | www.rutronik.com