



electronics

Your Digital Heroes.



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COMPANY

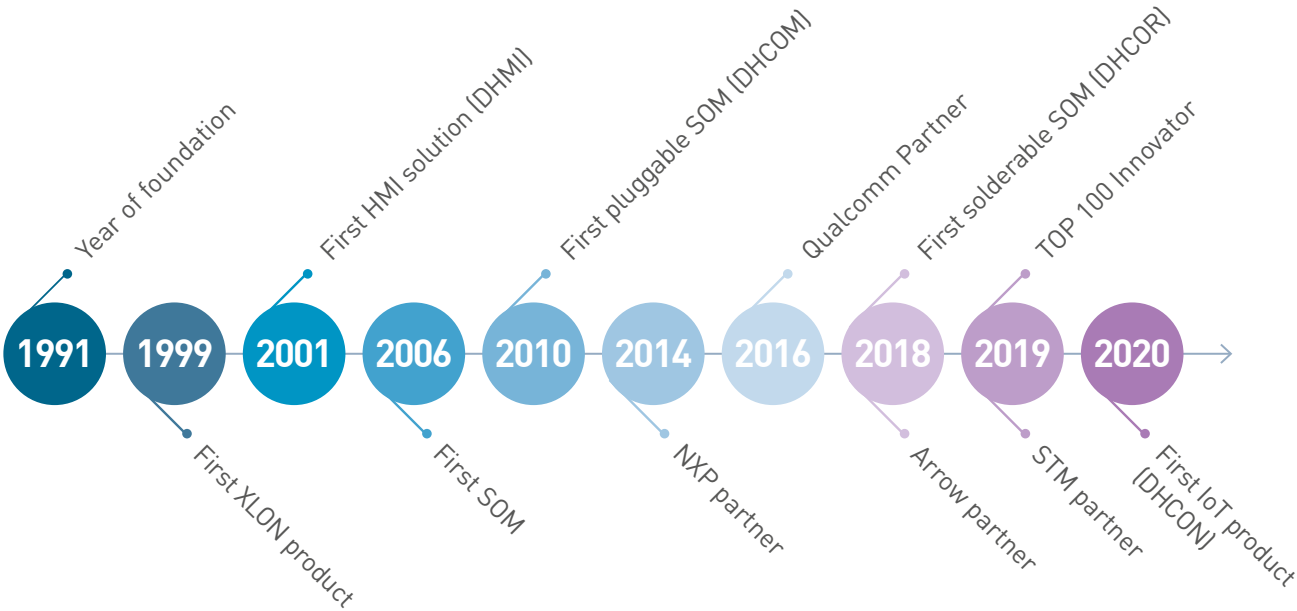
DH electronics was founded by Stefan Daxenberger and Helmut Henschke. The two managing directors have known each other since university and been running the business based in Bergen at the Chiemsee ever since.

DH electronics is specialized in embedded systems and provides both standard products and customer-specific solutions. As we are a full-service provider, we offer our customers everything from one source – from the conception and development to the production, logistics, and product support.

AREAS OF COMPETENCE

- Embedded Systems
- IoT – Internet of Things
- Industry 4.0
- Real-time systems
- Analog, digital, and high-speed design
- Complex logistics designs based on FPGAs
- PCAP - Projected capacitive touch solutions
- User interface programming
- Operating systems, drivers, board support packages

FACTS



THE BIRTH OF THE DIGITAL HEROES

While I grew up on a farm in the picturesque surroundings of the Chiemgau, I was lucky to have enough time next to school and the work on the farm for my own tinkering in the workshop. That was enough to arouse my passion for technology early on. Due to the tiring work and life on my parents' farm, I learned values such as **openness**, **loyalty**, **reliability**, and **humanity**, which were to play an important part later on at DH electronics.



Stefan Daxenberger

Thanks to my father, I discovered my enthusiasm for electronics at an early stage. I started learning programming languages and writing programs in my teens. This hobby and the fact that I was practically born with the fascination with technology have substantially influenced me on my way. In my daily interactions, the **family atmosphere**, **working together in a team**, and **openness** and **honesty** are especially important to me.



Helmut Henschke

"We got to know each other at university, while studying electrical engineering. That is where our journey together begins", Stefan Daxenberger recounts.

"We both wrote our diploma thesis at a producer of electronic checkout systems and in addition worked for a further company after hours. Together with a mutual friend, we could let our ideas run freely and realize developments according to our imagination. This freedom led us both to start working for this company after graduation. We nevertheless found time again and again to work as developers for other companies in the region, and so we often tinkered around until late at night. Two years later, the company we worked for was sold, unfortunately, and so after a few months we decided to start our own business.

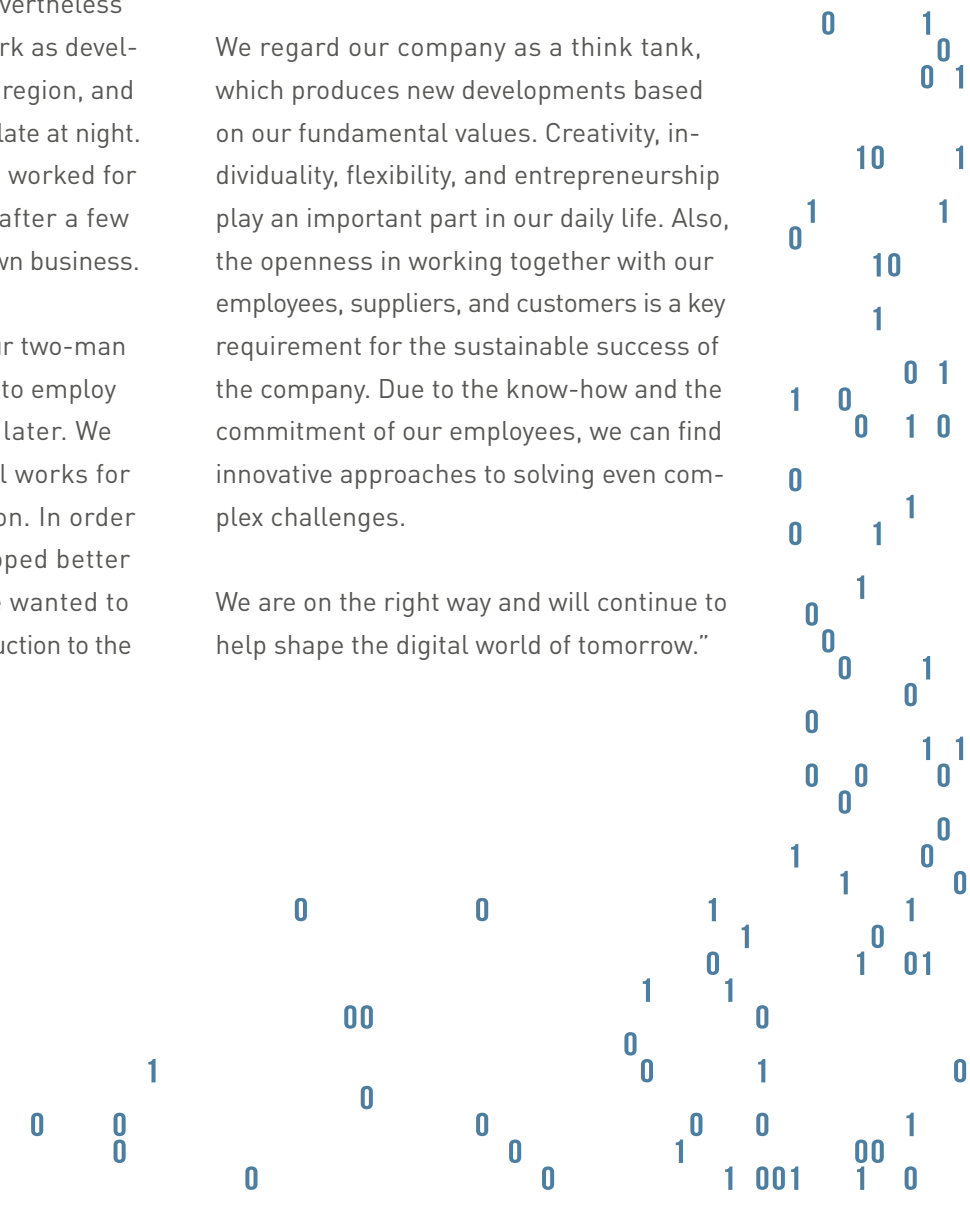
In November 1991 we founded our two-man engineering office and were able to employ the first employee about a year later. We are especially happy that he still works for our company in a leading position. In order to check the products we developed better regarding their functionality, we wanted to expand our portfolio and add production to the

pure development activities. For this purpose, we founded another company in 1994 – today's DH electronics GmbH.

From the very beginning, we were determined that we did not just want to mulishly work off customer requests, but instead always find the best possible solution in close dialog with our customers. That way, people are at the center and so the way of communicating and working together with everybody involved has played an important part from the beginning.

We regard our company as a think tank, which produces new developments based on our fundamental values. Creativity, individuality, flexibility, and entrepreneurship play an important part in our daily life. Also, the openness in working together with our employees, suppliers, and customers is a key requirement for the sustainable success of the company. Due to the know-how and the commitment of our employees, we can find innovative approaches to solving even complex challenges.

We are on the right way and will continue to help shape the digital world of tomorrow."



VISION

WHAT WE BELIEVE IN

In a family atmosphere we develop with passion – based on our embedded products and services – innovative, sustainable solutions for the digital world of tomorrow.

DH electronics is the preferred partner to master the challenges of the digital future together with our customers.

MISSION

HOW WE WORK

WE REALIZE THE DIGITAL FUTURE

Our enthusiasm for engineering skills drives us to realize our vision of the digital future. Our customers trust our competence and our reliability that makes them more competitive. Together with our partners we shape the digital future.

THE CORNERSTONES OF OUR SUCCESS

Our knowledge is the basis of our economic potential. Due to our innovative capacity, our technologies, and our financial independence, we put ourselves and our customers in the position to be successful. The basis of our success are our highly qualified and committed employees.

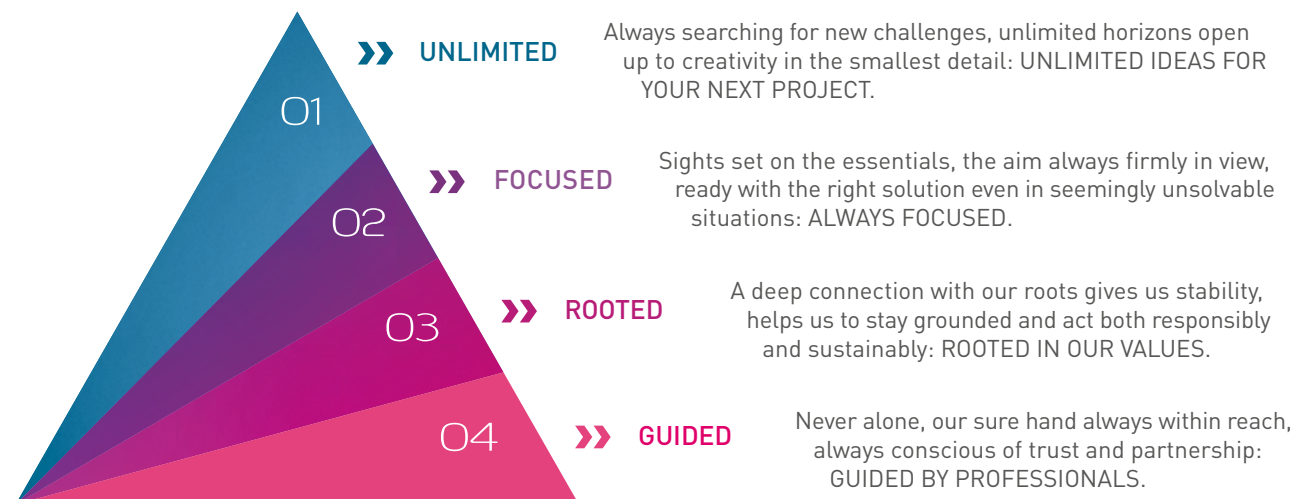
TOGETHER SUCCESSFUL INTO THE FUTURE

The way we work with our customers is based on partnership and sustainability. We take on personal responsibility with energy and passion, so as to achieve the targets we have set.

“Your Digital Heroes.”



WHAT MAKES US TO DIGITAL HEROES



VALUES BASIS FOR OUR ACTIONS



TOP100 INNOVATOR DH ELECTRONICS IS BREAKING NEW GROUND IN THE IMPLEMENTATION OF PROJECTS

DH electronics has made the leap among the best at the 26th edition of the TOP 100 innovation competition. The company was therefore honored by the competition's mentor, Ranga Yogeshwar, as well as the scientific director of the competition, Prof. Dr. Nikolaus Franke, and compamedia in Frankfurt in June 2019. Using a scientific system, TOP 100 evaluates the innovation management of medium-sized companies and the resulting innovation successes. In the independent selection process, DH electronics was particularly convincing in the category "Innovative Processes and Organisation".

"DH electronics was founded in 1991 by Stefan Daxenberger and Helmut Henschke as a service company in the field of electronics development. Since then, today's TOP 100 company has continuously expanded its product range and scope of services and has recorded a corresponding growth in customers and employees. The top innovator is specialized in embedded systems, which have become indispensable in the age of digitalization of processes ("Internet of Things").

The company is breaking new ground in the implementation of projects: It no longer offers customer projects at fixed prices. Instead of being presented in rough cost blocks, all individual measures are now presented on an

hourly basis. In addition to the expected expenditure, each quotation contains the requirements profile, all planned milestones up to the implementation phase and the corresponding calculation. This high transparency is possible because all internal processes are very clearly defined and the procedures are extremely well documented. And instead of calculating risk surcharges, as is usual with fixed-price offers, the company informs its customers fully about the moderating project management and the methods used. Thus, the clients have full cost control from start to finish, are always aware of the correlation between the planned and actual state of the project and can pull the ripcord in time if necessary."

- extract from the official press release of top100

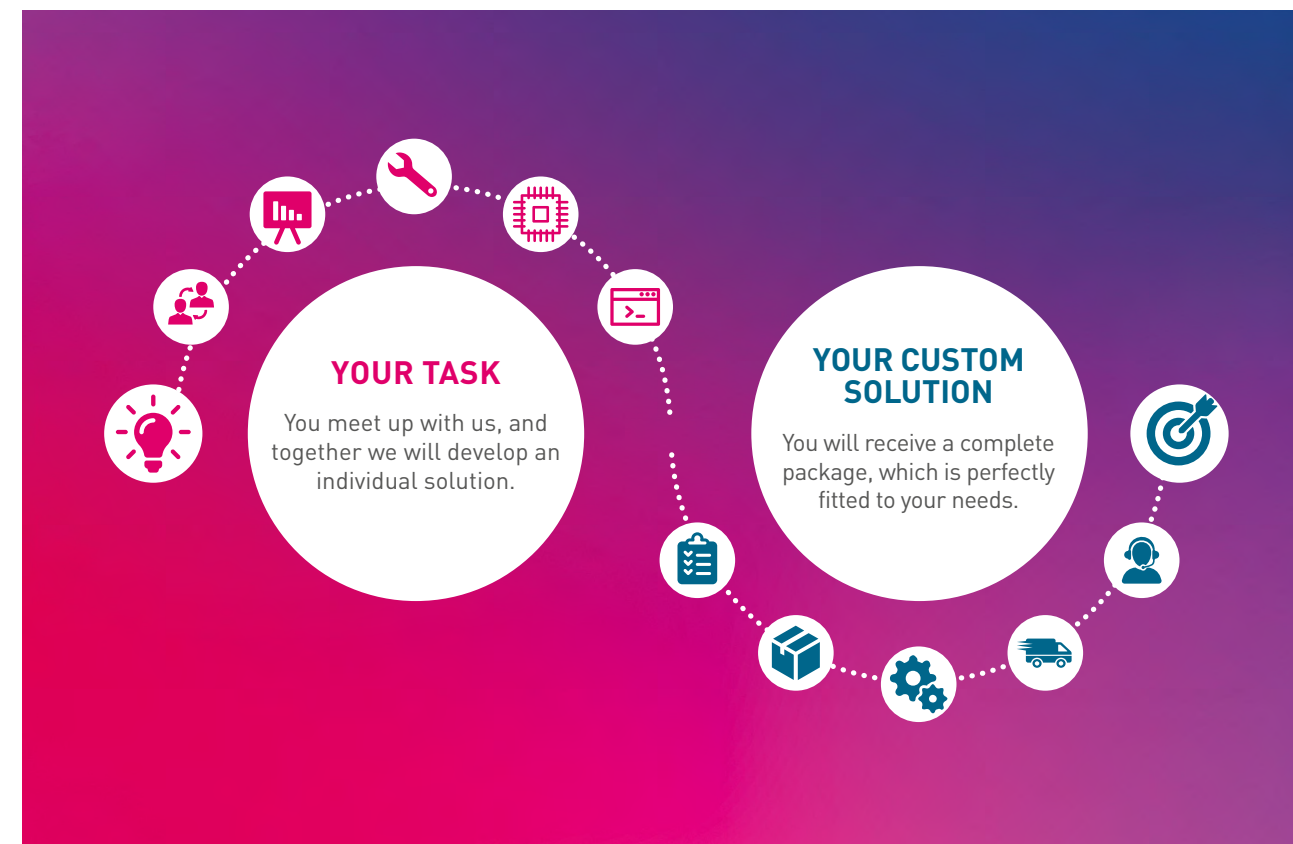
» DH electronics has been awarded the TOP 100 seal 2021 for the second time. This award honors particularly innovative medium-sized companies. DH electronics had previously demonstrated its innovative strength in a scientific selection process.



SERVICES

DH ELECTRONICS AS FULL-SERVICE PROVIDER

In 10 steps from your task to your customized solution.



PROFESSIONAL PROJECT MANAGEMENT

How we guide your project to success:

- Project planning with scheduling and milestone planning in open dialogue with the customer
- Continuous project coordination via telephone or web conference
- High efficiency due to coordinated teamwork and resource management
- Easy-to-use ticket system for customer inquiries
- Head of quality management and project management office in one hand
- We are happy to act as general contractor and coordinate further project partners
- Our project leader is your main contact person

YOUR TASK

Get in touch with us and describe your problems or challenges.

YOUR SOLUTION

At the end of the project you receive an overall solution tailored to your needs.



FROM IDEA TO CONCEPT

- Project Milestone Planning
- Project Monitoring
- Target Costing
- Calculation of manufacturing costs
- Documentation



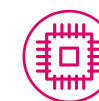
PRODUCT MANAGEMENT

- Feasibility studies
- Technology selection
- Concept studies
- Concept sketches
- Prototype studies
- Customer feedback



CONSTRUCTION

- Concept design
- CAD construction
- Construction of prototypes
- Manufacturing concepts
- FMEA
- Support and search for manufacturing partners



HARDWARE ENGINEERING

- Selection of components
- Development of the circuit diagrams
- Unbundling of the boards
- Thermal analyses
- Prototype construction



SOFTWARE ENGINEERING

- Planning
- Analysis
- Draft
- Implementation
- Test
- Lifecycle
- Service



APPROVAL TEST

- Certified according to DIN ISO 9001:2015
- EMV-compatible products
- Support from registration to approval



PROCUREMENT

- Long-term supplier relationships
- Certified supplier portfolio
- Insourcing or outsourcing
- International procurement



PRODUCTION

- Series production and prototyping
- Traceability
- Long-term manufacturing partners
- Short processing time
- Fast response time
- High flexibility



LOGISTICS

- Supply Chain Management
- Obsolescence Management
- Consignment stock
- Flexible shipping solutions
- International deliveries



AFTERSALES SERVICE

- Spare parts service
- Product Lifecycle Management
- Repair service
- Support

COMPONENTS SYSTEMS SOLUTIONS

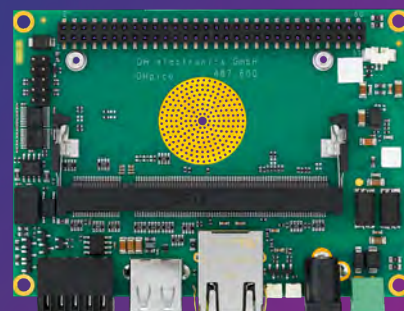
FROM STANDARD PRODUCTS TO CUSTOMER-SPECIFIC COMPLETE SOLUTIONS

Besides individual components such as Computer on Modules and carrier boards, we also offer systems with pre-installed standard software such as bootloader and operating system. Furthermore, we supply complete solutions (e.g. Webpanel) according to application- and customer-specific software and hardware requirements. Our range of services, including professional project management, supports you primarily in the development of customer-specific solutions.

COMPONENTS



DHCOM i.MX6x

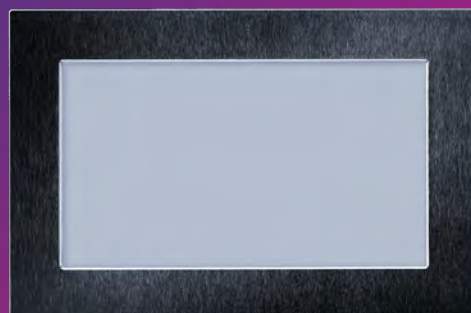


Carrier Board picolTX

SYSTEMS



DHCON = DHCOM + Carrier Board + Housing



DHMI = DHCOM + Carrier Board + User Interface + Housing

SOLUTIONS



LON-Router = DHCON + Routing Software



Webpanel = DHMI + Kiosk-Browser

DH ELECTRONICS AS YOUR PREFERRED PARTNER

6 REASONS TO ENTRUST DH ELECTRONICS WITH YOUR DEVELOPMENT PROJECT

» INDIVIDUAL SUPPORT.

Our developers take personal care of your needs and answer your questions at any time. For the processing of your enquiries we provide an easy to use ticket system.

» MADE IN GERMANY.

Our products are engineered and partly manufactured in Germany. Thanks to an excellent infrastructure and short delivery times, we offer great flexibility and quality.

» CREATIVITY AND INNOVATION CAPABILITY.

In order to find the best possible solution for your problem, we are ready to go new ways and offer you a product based on the latest technologies.

» AVAILABILITY, TESTS AND CERTIFICATION.

We guarantee a long-term availability of 10 years and beyond for most of our products. On request we can also carry out tests and certifications for you.

» COMPLETE SOLUTIONS FROM ONE HAND.

We support you from the idea to the finished product. During the entire project we pay attention to a close cooperation and communication with our customers.

» VALUE-BASED COOPERATION.

A personal, trust-based cooperation with our customers and partners is close to our hearts. Our motto: "open and honest".

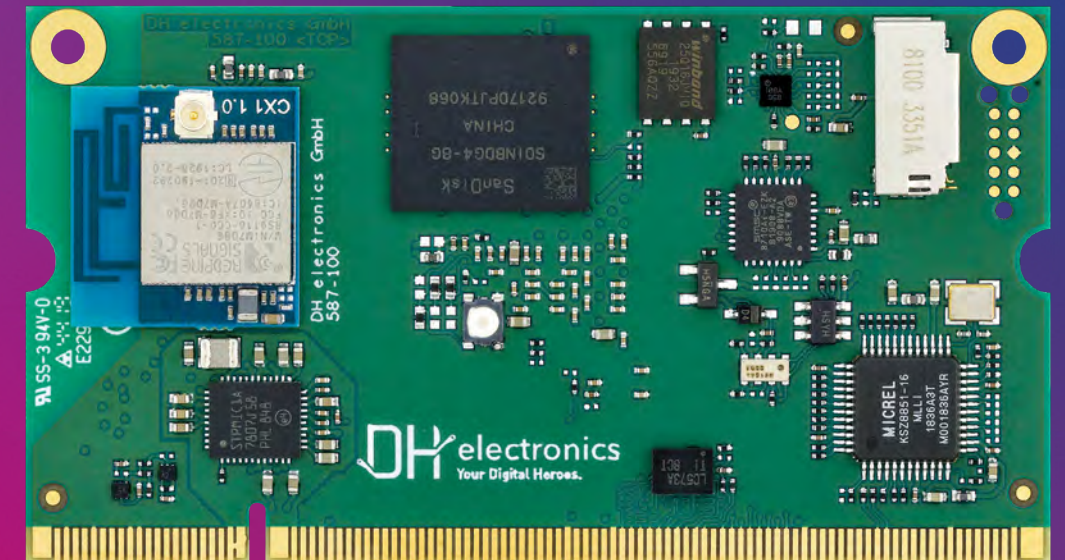
DHCOR vs. DHCOM

SYSTEM ON MODULES



DHCOR
STM32MP1

- Solderable, no connector needed
- All SoC pins and functions are fully available
- Smallest design for mid to high quantities



DHCOM
STM32MP1

- Pluggable, fits SODIMM-200 socket
- Compatible and scalable family concept
- Flexible design for low & mid quantities

DHSOM

SYSTEM ON MODULES

DHCOR
i.MX6UL(L)



DHCOR
STM32MP1



DHCOR i.MX6x



DHCOR STM32MP15x



DHCOR i.MX6UL(L)

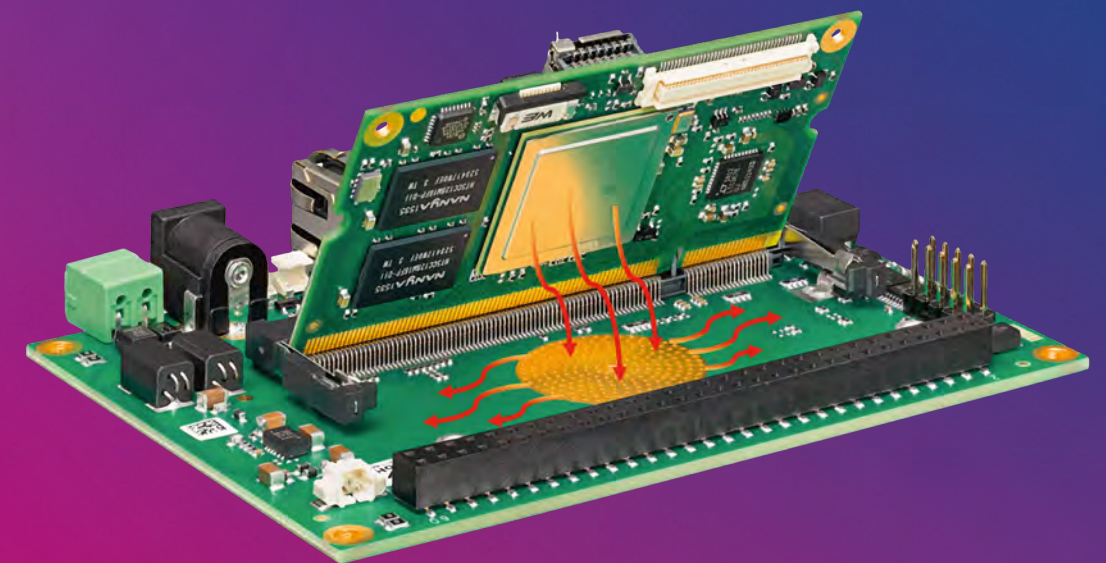


DHCOR AM335x



DHCOM

5-CENT COOLING SOLUTION

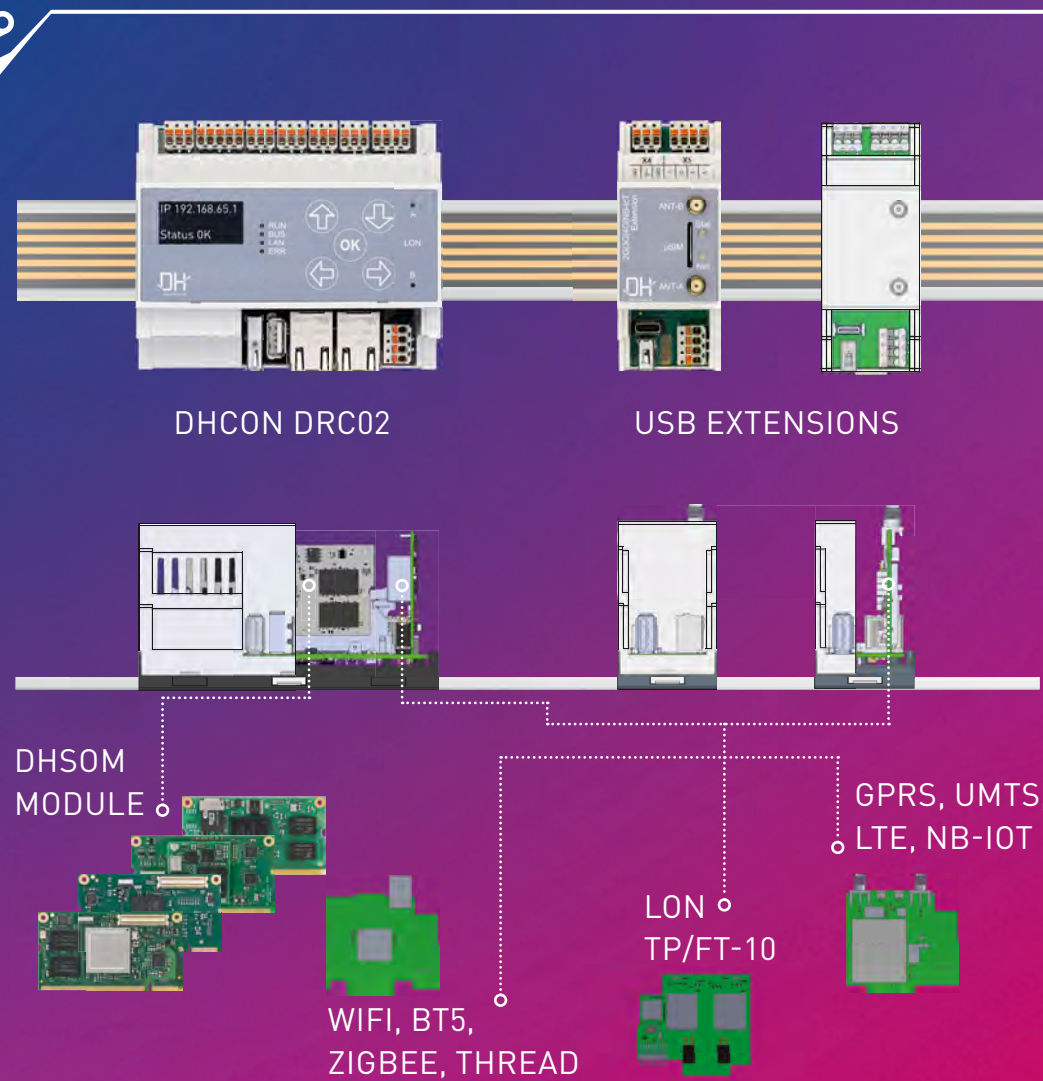


“The 5-Cent Cooling Solution redirects the CPU temperature with a gap pad to the base board and optionally further to the housing. No standard heat sink is required any more.

Stefan Daxenberger, CEO

DHCON

CONTROLS & CONNECTIVITY

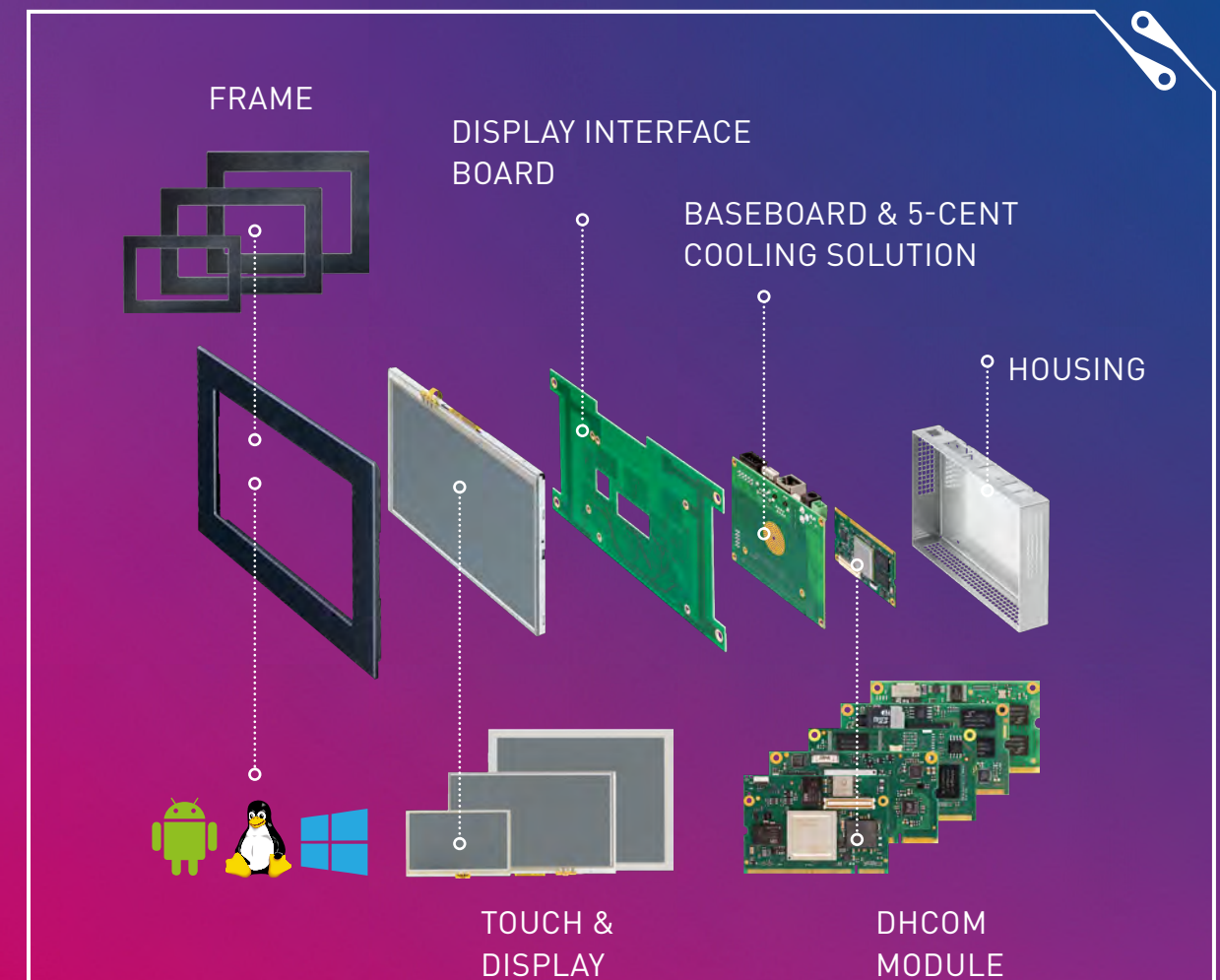


From field level up to the cloud

- Individual IoT edge solutions – made easy
- Highest flexibility as Docker or LXC host
- Lowest power – built-in security
- Available for 10+ years

DHMI

TOUCH PANEL COMPUTER



Fast track to your own HMI

- Cost-efficient
- Individual product design due to modular system
- High quality owing to industry proven components
- Everything from one source



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