COMPTEQ
EMBEDDED COMPUTERS ENGINEERING

COMPANY PROFILE

Development, testing and manufacturing of embedded hardware and embedded systems since 2000.

Design · Build · Test · Deliver

ABOUT US

Compteq at a glance

25+

years in business

Since 2000, originally as KONTRON ECT design.

20+

people in the team

Engineers, lab technicians and production under one roof.

ISO 9001

certified quality system

TÜV SÜD, certificate no. 22.610.679.

1 week

to a test slot

We can usually offer a measurement slot within a week.

In-house EMC chamber 30 MHz – 18 GHz · climatic chambers −72 to +180 °C · Pilsen, Czech Republic

Why your project won’t stall with us

A product is rarely held up by one big problem. It is held up by hand-offs between companies – design at one, prototype at another, testing at a third.

Our engineers, lab and production share one building. When a measurement reveals a problem, the engineer sees it the same day and proposes a fix. Software can be copied, but shielding, cabling and chamber measurements take experienced people and expensive equipment. We have both.

ONE BUILDING IN PILSEN

Development

Electronics, FPGA, firmware, mechanics

Laboratory

EMC, climatic, electrical safety

Production

Prototypes, assembly, series supply

WHAT WE DO

From specification to series supply

We can take you all the way, or just through the part you need.

01
Design

Development

From your specification – or even a napkin sketch – we design the complete device: electronics, FPGA, firmware, applications and mechanics.

02
Build

Prototypes

We build a fully functional prototype that holds up in real use and in front of the test house.

03
Test

Testing and CE

We take your product to CE and other certifications. What we can't do in-house, we arrange with trusted partners.

04
Deliver

Series production

We ramp up series production and take care of component availability, deliveries, service and traceability.

Get indicative prices for development, prototypes and testing online: www.compteq.io/kalkulacky/

DESIGN · DEVELOPMENT

We design the whole device, not just the board

From your specification or a napkin sketch – electronics, FPGA, firmware, applications and mechanics tuned into one system.

Electronics

Schematics and PCB layout, computer modules and carrier boards, power supplies and interfaces.

FPGA and CPLD

Programmable logic for fast signal processing and peripheral control.

Firmware and software

Firmware, embedded Linux and applications that turn hardware into a finished product.

Mechanics and cabling

Enclosure, cooling, mounting and cable harnesses designed together with the electronics.

System integration

We combine electronics, mechanics and software into one working whole.

Design for EMC

Our engineers sit next to the EMC chamber. We solve interference in the schematic, where it is cheapest.

BUILD · PROTOTYPES

From CAD model to a real part

We build a fully functional prototype that holds up in real use and in front of the test house. Even a single piece.

Sheet metal parts

Laser cutting (up to 3 mm), bending and deburring. Get an indicative price online.

3D printing

Prototypes and jigs in PLA, PETG, ASA, PA-CF or TPU.

Cabling

Cable harnesses to your drawing or to our design.

Assembly

We assemble the complete device: electronics, mechanics, cabling and software.

PCB assembly

PCB manufacturing and assembly through trusted partners. You deal with one supplier.

Bring-up and function test

Every unit is brought up and tested before we hand it over.

We find problems before the certification lab does

We take your product to CE and other certifications – we test in our own lab, and what we can't do in-house, we arrange with trusted partners.

EMC emissions and immunity

Radiated and conducted emissions, ESD, burst, surge, RF field – to the same standards as an accredited lab.

CE preparation

We identify directives and standards, prepare the technical file and the EU declaration of conformity.

Climatic testing

Cold, dry and damp heat, temperature cycling per EN 60068.

Electrical safety and IP

Dielectric strength, protective bonding, leakage current, temperature rise and IP rating.

3D scanning

Dimensional inspection with a GOM scanner, CAD comparison and reverse engineering.

EMC chamber rental

Measure yourself or with our technician, by the hour.

LABORATORIES

Our own laboratories in Pilsen

30 MHz – 18 GHz

EMC chamber

Radiated emissions and RF immunity, conducted emissions, ESD, burst, surge.

−72 to +180 °C

Climatic chambers

Humidity 10–98 % RH. Cold, dry and damp heat, temperature cycling.

Safety

Electrical safety lab

Dielectric strength, protective bonding, leakage current, temperature rise, IP rating.

3D scan

GOM scanner

Dimensional inspection, CAD comparison, reverse engineering.

For typical electronics there is no legal requirement to use an accredited lab for a CE declaration. Our lab is fully equipped and calibrated, and its results are sufficient to issue the EU declaration of conformity. If you prefer confirmation from an accredited lab, we prepare your product for it and arrange the test there.

DELIVER · SERIES PRODUCTION

Delivery is not the end

We ramp up series production and take care of everything around it – component availability, on-time deliveries, service, warranty and traceability of every unit.

Traceability

For every unit we know which parts, batches and sub-supplies it contains.

Lifecycle monitoring (EOL)

We warn you early about component end-of-life and propose a replacement, last-time-buy or redesign.

Documentation

Production data, test reports and CE documentation in one place.

Repeat deliveries

Supply chain, manufacturing engineering and production in-house or with partners.

Service and warranty

Repairs, warranty service and firmware updates for the whole product lifetime.

We also take over products we did not design

We review the documentation and propose what is needed for reliable series production.

WORKING WITH US

How it works

At every step you know what comes next and what it will cost.

START

01

Enquiry

Tell us what you need or get an indicative price from our online calculator. We reply within 24 hours.

START

02

Quotation

We clarify the brief and send a quote with a breakdown of price and schedule.

DESIGN

03

Design

We design electronics, firmware and mechanics and keep you updated throughout.

BUILD

04

Prototype

We build a working prototype and verify together that it does what it should.

TEST

05

Testing

Pre-compliance testing in our own lab. If something fails, we find the cause and fix it.

DELIVER

06

Supply

We ramp up series production and take care of service, warranty and traceability.

Where do you start?

I have a finished product

Test it and prepare for CE →

I have a specification or idea

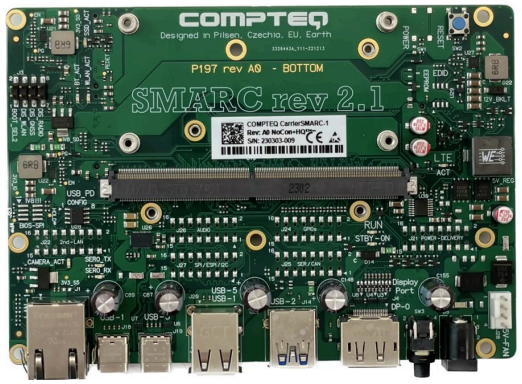
Estimate device development →

I need parts made

Laser cutting, 3D printing and more →

OUR PRODUCTS

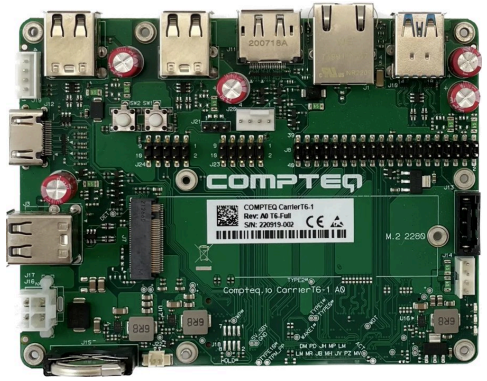
Own products



COMPTEQ SMARC 2.1 Carrier

Available

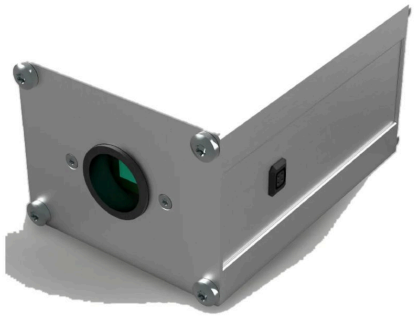
Carrier board for SMARC 2.1 modules in 3.5" format, for x86 and ARM, −40 to +85 °C. CE.



COMPTEQ CarrierCOMeT6-1

Available

Minimalist carrier board for COM Express Type 6 Compact and Basic modules.



MIPO 5G Multisensor

In development

Industrial camera with a separate image sensor controlled directly from the 5G core network. Developed together with SCANLOCK CZ.

Datasheets and user guides for download at www.compteq.io

HISTORY

A quarter century of embedded development

2000

Founded

We start as KONTRON ECT design, a subsidiary of Kontron Elektronik GmbH.

2005

Own hardware

We add electronics design: computer modules and carrier boards.

2010

FPGA and CPLD

The team grows into programmable logic design.

2015

New premises

We move to the Science and Technology Park Pilsen.

2020

Laboratories

We build our own laboratories including the EMC chamber.

2022

Independent

We become an independent Czech company, Compteq.

2025

Production

We add manufacturing services and our first own products.

TODAY

Development, laboratories and production under one roof in the Science and Technology Park Pilsen.

VALUES

What we care about

Precision

Details decide whether a product passes testing the first time.

Transparent prices

Get an indicative price from our calculator before you even contact us.

Kept deadlines

We reply to enquiries within 24 hours and can usually offer a test slot within a week.

Long-term partnership

We guide your product from specification to series supply.

CONTACT

Have a product that needs finishing?

Tell us what you need. We reply within 24 hours.



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Indicative prices for development, testing and parts online.

Get a price

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