



▶ KONTRON IS PAVING THE WAY FOR TECHNOLOGY THAT ENABLES CONTINUING ADVANCEMENT, EXPANSION AND LONG-TERM VALUE. WITH THE INCREASING COMPLEXITY OF TRANSPORTATION SYSTEMS, ABRUPT CHANGES IN THE SILICON INDUSTRY AND SHIFTING CONSUMER DEMANDS THAT CAN MAKE MAINTAINING AND MANAGING SYSTEMS COSTLY, TIME CONSUMING AND PRESENT NEW RISKS AND CHALLENGES - KONTRON IS YOUR TRUSTED PARTNER.

About Kontron

Kontron is a global leader in embedded computing technology (ECT). As a part of technology group S&T, Kontron offers a combined portfolio of secure hardware, middleware and services for Internet of Things (IoT) and Industry 4.0 applications.

With its standard products and tailor-made solutions based on highly reliable state-of-the-art embedded technologies, Kontron provides secure and innovative applications for a variety of industries.

As a result, customers benefit from accelerated time-to-market, reduced total cost of ownership, product longevity and the best fully integrated applications overall.

For more information, please visit: www.kontron.com



CORPORATE OFFICES

HEADQUARTERS

Lise-Meitner-Str. 3-5
86156 Augsburg
Germany
Tel.: + 49 821 4086 0
Fax: + 49 821 4086 111
info@kontron.com

FRANCE

150 rue Marcelin Berthelot
ZI de Toulon-Est - BP 244
83078 TOULON CEDEX 9
Tel.: + 33 4 98 16 34 00
Fax: + 33 4 98 16 34 01
sales.KFR@kontron.com

Copyright © 2018 Kontron AG. All rights reserved. All data is for information purposes only and not guaranteed for legal purposes. Information has been carefully checked and is believed to be accurate, however, no responsibility is assumed for inaccuracies. Kontron and the Kontron logo and all other trademarks or registered trademarks are the property of their respective owners and are recognized. Specifications are subject to change without notice. TRACe-Storeform

Paving the Way for Intelligent Transportation:

TRACe™



- ▶ FLEXIBLE RUGGED RAILWAY DESIGN
- ▶ MODULAR SCALABILITY AND SIMPLICITY
- ▶ LIFECYCLE STABILITY
- ▶ HIGH PERFORMANCE AND CONNECTIVITY

PROVEN, RUGGED, FEATURE-RICH BUILDING BLOCKS

TRACe™ offers a range of rugged and flexible railway computers for integrators and system designers to easily customize and rapidly deploy specialized applications and new infrastructures. Already verified and in operation worldwide, the TRACe™ product line addresses the broadest range of modern, connected rolling stock applications through easily customizable, EN50155 pre-certified (EMC, EMI, climatic, shock and vibrations), application-oriented computer profiles - allowing multiple applications to run on the same platform, such as:

- ▶ Video Surveillance: Recording and Distribution (Storage, Processing)
- ▶ Passenger Infotainment systems
- ▶ Train Control & Monitoring Systems, Train-to-Ground communication
- ▶ Asset Management and Predictive Maintenance

▶ KONTRON'S BUILDING BLOCKS APPROACH MEANS YOU WILL BENEFIT FROM:

FLEXIBILITY

Cost-effective design customization with flexible I/O, memory, storage and power enables rapid time to deployment.

SIMPLICITY

All TRACe™ are EN50155-certified and utilize the same set of long term available modular building blocks and APIs.

STABILITY

Our focus on quality means reliability and longer product lifecycles. Roadmapped long-term invariability facilitates mid-life retrofits and technology upgrades.

PERFORMANCE

High-density, low-power, rugged design based on latests Intel Atom® and Intel® Core™ i7/i5/i3 technology. Dedicated micro-controller for Health Management means it keeps performing.



TRACe M304-TR

Rolling-Stock Management Computer for Train Control and Monitoring

- ▶ 2 Gigabit Ethernet LAN + (2T2R) WLAN 802.11 a/b/g/n
- ▶ Can act as a MVB/LAN/Wi-Fi gateway



TRACE V40X-TR

Network Video Recorder for IP Video and Surveillance

- ▶ More than 100 H.264 IP cameras videos stream @1 Mbps
- ▶ Up to 4x 2.5" removable disks
- ▶ Support both Intel Atom® E3900 series and 6th gen Intel® Core® i7/i5/i3



TRACe G304-TR

Certified Gateway for Telemetry, Station and Train Control or Infotainment

- ▶ 2 Gigabit Ethernet LAN + enhanced (3T3R) WLAN 802.11 a/b/g/n
- ▶ WWAN with dual SIM support: LTE (4G)/HSPA+/GSM/GPRS/EDGE/EV-DO +
- ▶ Supports GPS location solutions on 4G modem: A-GPS, gps XTRA and Glonass



TRACE B40X-TR

Integrator-friendly Baseline Operational Computer

- ▶ Open slots for flexible I/O connectivity
- ▶ Modular construction (accepts custom faceplate, I/O panels or PSUs)
- ▶ Support both Intel Atom® E3900 series and 6th gen Intel® Core® i7/i5/i3



TRACe HMD104

Rugged Display Computer for Mobile Applications such as Driver Display

- ▶ 10.4" TFT display with anti-vandal glass
- ▶ Projected Capacitive Touch, Keyboard according to UIC612
- ▶ IP65 protected on front / IP54 on other faces

- ▶ Explore more of our Transportation solutions: <https://www.kontron.com/industries/transportation>

TRACe

IRIS
Certification