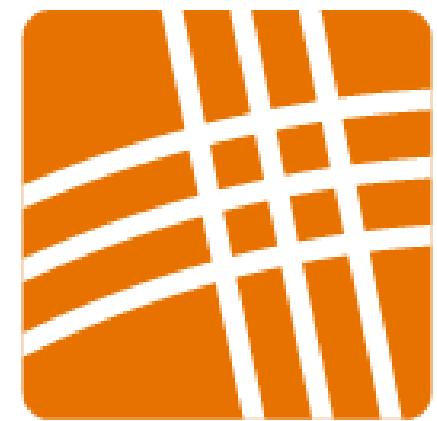


COMPANY PRESENTATION



Recab

2025



ABOUT RECAB

Recab delivers reliable COTS-based technology solutions for mission-critical industries, combining engineering expertise with ruggedized design. We serve demanding markets including Defense, Maritime, Critical Infrastructure, and Machine Automation. Our Nordic teams ensure high-performance systems with long lifecycle support, tailored to meet strict operational and environmental requirements.

NORDIC PRESENCE

 Recab Sweden (Stockholm), Headquarter and center of operations

 Recab Norway (Hamar), Sales and Engineering

 Recab Denmark (Smørum, Sales and Engineering)

"RELIABLE TECHNOLOGY FOR MISSION CRITICAL INDUSTRIES"



RECAB IN FIGURES

1996

FOUNDED

15M
EUR

REVENUE

25

EMPLOYEES

3

OFFICES



ADDTECH

ADDTECH IN FIGURES

1906

FOUNDED

2000M

EUR

REVENUE

150+

COMPANIES

4200

EMPLOYEES



LISTED ON

OUR VALUE PROPOSITION

Recab creates value by working with trusted suppliers, using our long experience, and combining technologies in smart ways to deliver tailored solutions quickly and effectively.

EXPERIENCE AND NETWORK



We have strong supplier partnerships, extensive experience and insights from both demanding customers and world-class suppliers.

INNOVATIVE ENGINEERING AND FLEXIBILITY



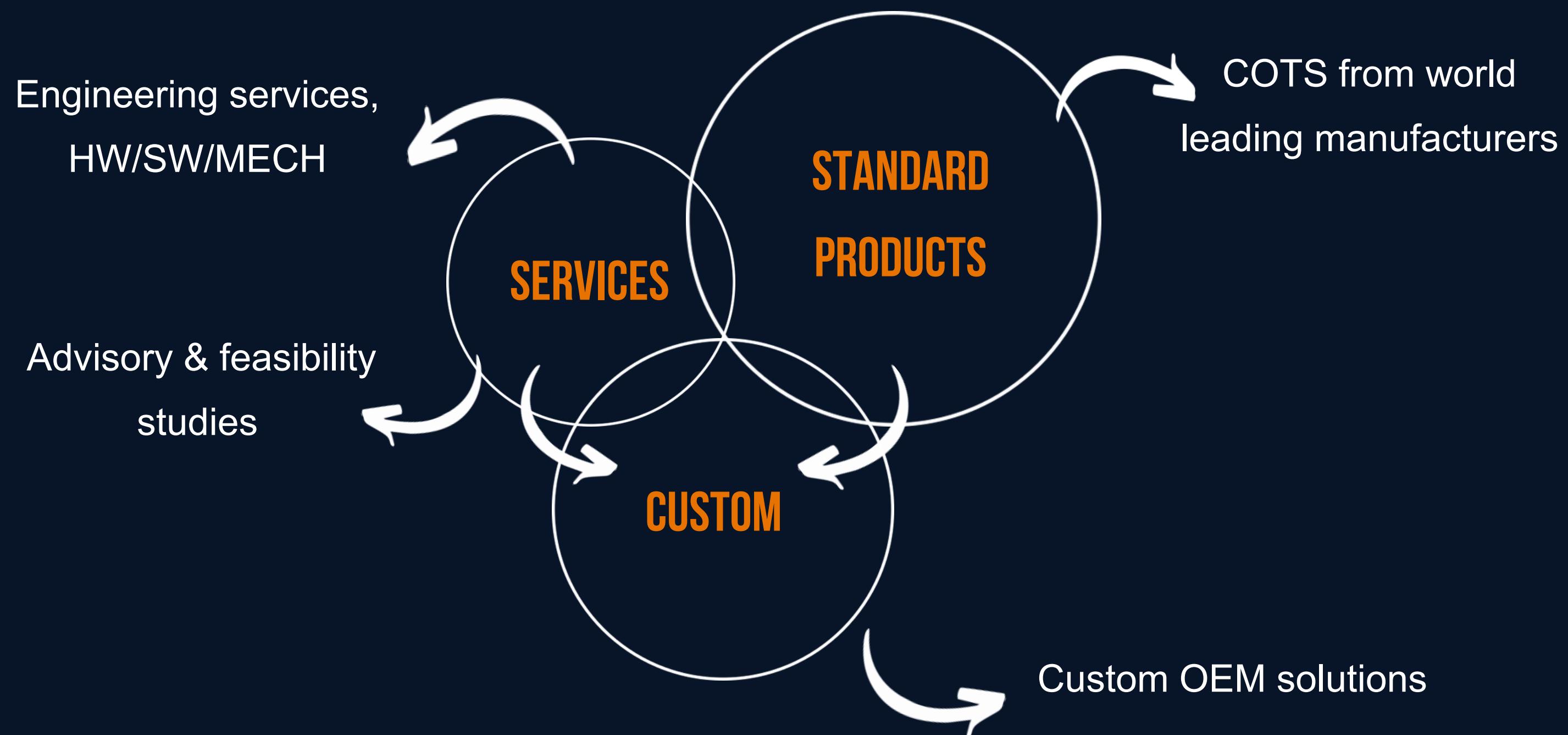
We save time and money by using our experience creatively, either fitting supplier parts together using our expertise, or working with suppliers to build custom solutions from their building blocks. Our mindset is that most products already exist, we just need to prove it.

INTEGRATION AND PRODUCT MANAGEMENT



With our integration center in Sweden, we can add a local touch for the final installations, adjustments, and testing. Together with purchase planning, inventory, logistics, and lifecycle (PLM) management, we ensure reliable delivery and long-term product availability.

TECHNOLOGY AND INNOVATION

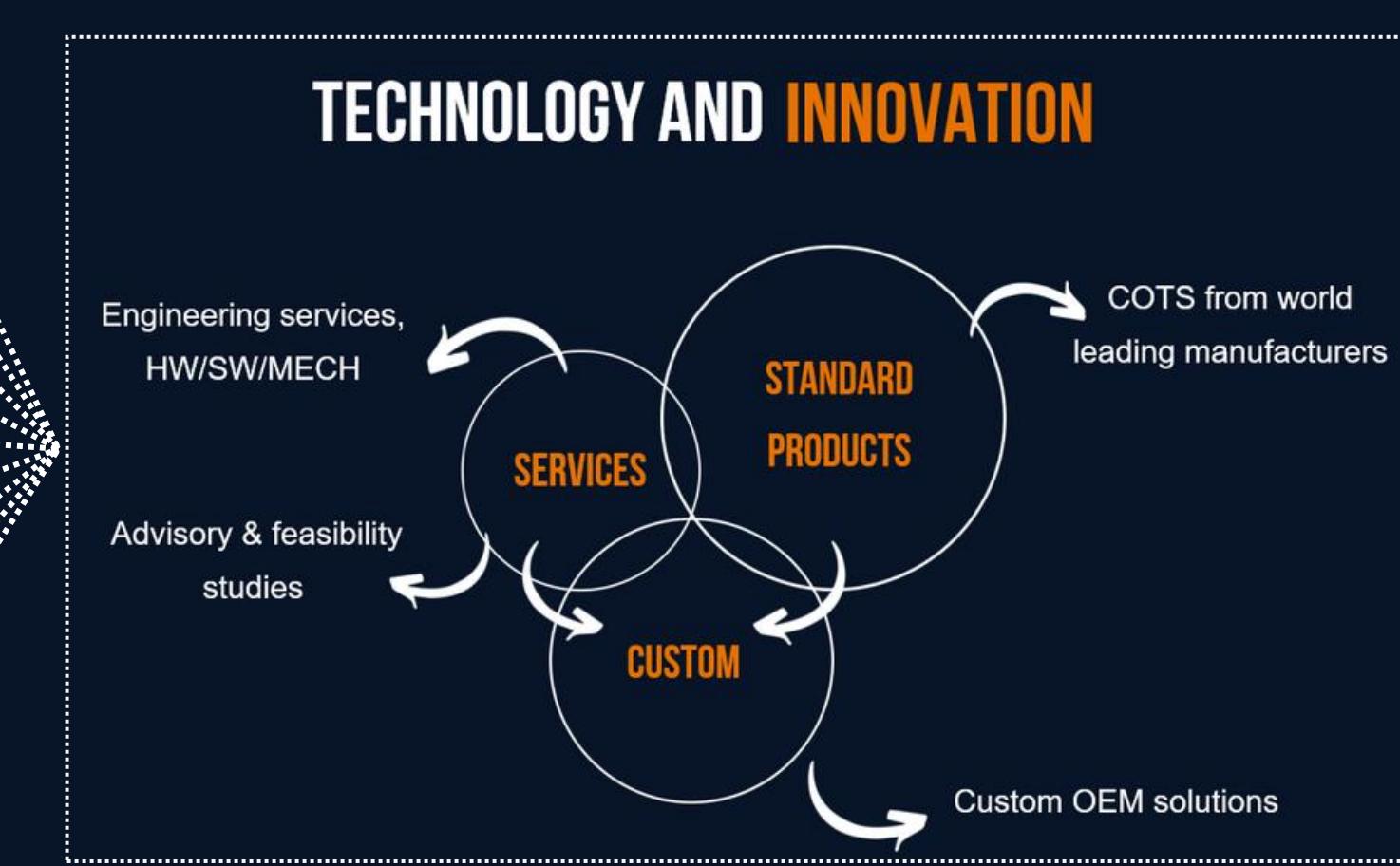


ADDING PARTNER VALUE



HANDLING PAIN POINTS

- 1 ALIGNING HARDWARE DECISIONS WITH LONG-TERM PLM STRATEGIES
- 2 FREEING UP ENGINEERING TEAMS FROM LOW-VALUE CONFIGURATION WORK
- 3 MAKING PLATFORM DECISIONS UNDER EVOLVING REQUIREMENTS
- 4 BRIDGING INTERNAL COMPETENCE GAPS IN RUGGED SYSTEM DESIGN
- 5 BALANCING COMPUTE POWER, SIZE, WEIGHT & POWER CONSTRAINTS
- 6 MANAGING SOURCING COMPLEXITY AND PROCUREMENT RISK
- 7 COORDINATING ACROSS VENDORS AND SUBSYSTEMS EFFECTIVELY
- 8 MAKING THE RIGHT TECHNICAL CHOICES EARLY IN THE PROCESS
- 9 ACHIEVING BOTH COMPLIANCE AND PERFORMANCE IN ONE DESIGN



MARKETS



DEFENCE



MARITIME

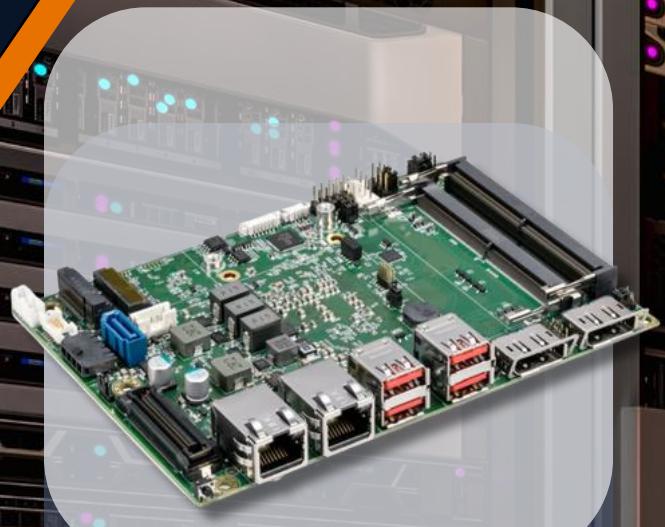


CRITICAL
INFRASTRUCTURE



MACHINE
AUTOMATION

PRODUCT PORTFOLIO



SINGEL BOARD
COMPUTERS



ADVANCED
MODULAR



COMPUTER ON MODULE



INDUSTRIAL COMPUTERS



RUGGED SYSTEMS



PANEL PC & DISPLAYS



RACKMOUNT SYSTEMS



RUGGED TABLETS



INDUSTRIAL DATA
COMMUNICATION



INDUSTRIAL ACCESSORIES

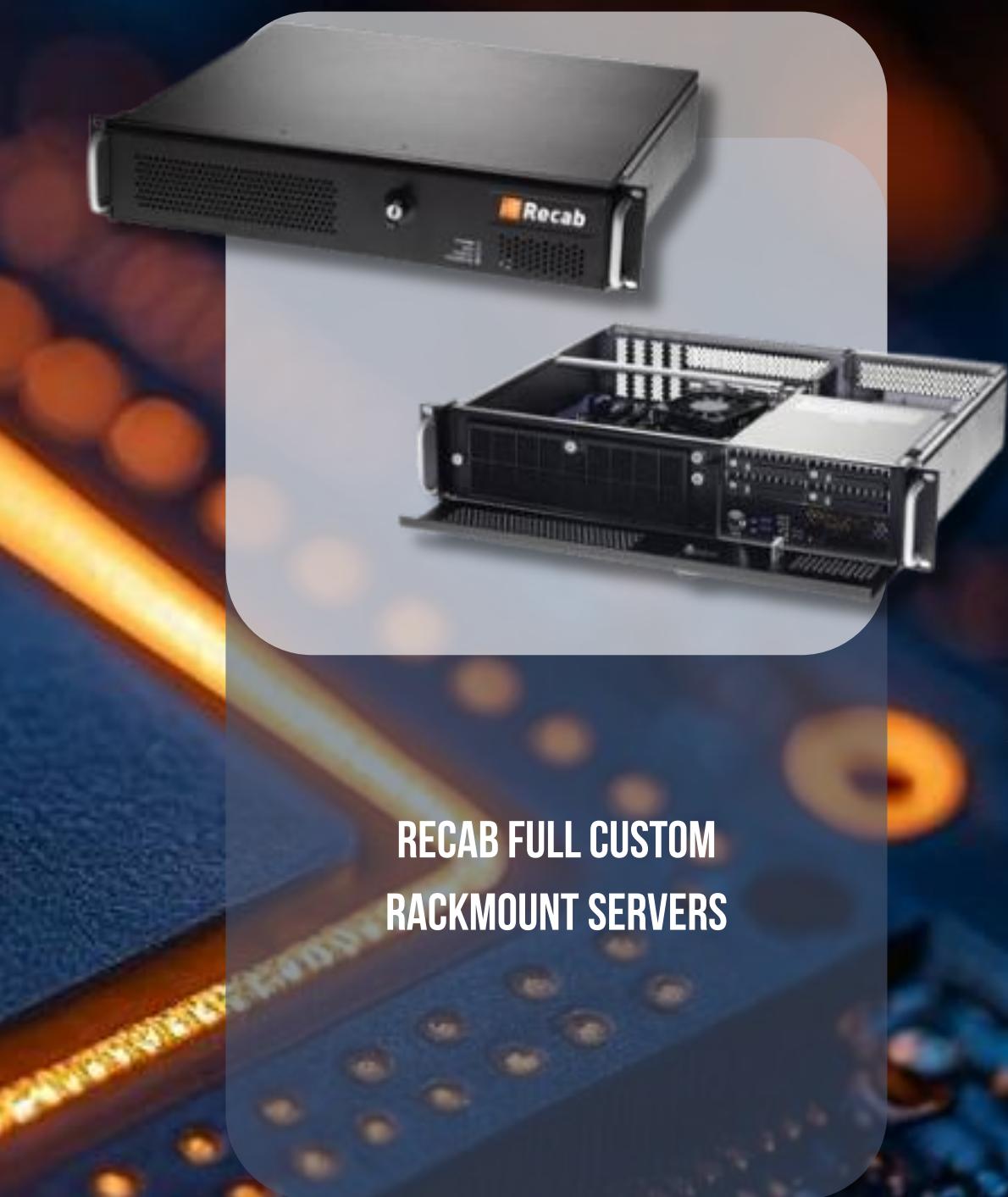
CUSTOM SOLUTIONS



CUSTOM CPCI BASED MARINE
COMPUTER



CUSTOM MIL SPECIFIED
INTERFACE SERVER



RE CAB FULL CUSTOM
RACKMOUNT SERVERS

TESTED AND CERTIFIED



EMC TESTING

- EMC testing ensures electronic systems operate reliably in harsh environments. Recab supports compliance with key standards like EN 50155, EN 60945, and MIL-STD-461—essential for sectors such as transportation, defense, and energy where safety and performance are critical.

ENDURANCE TESTING

- Environmental testing ensures systems endure mechanical stress, temperature extremes, and humidity over time. Recab supports compliance with MIL-STD-810 for shock, vibration, thermal cycling, and humidity—key for high-reliability applications in defense, transportation, and industrial environments.

INGRESS PROTECTION TESTING

- IP testing verifies protection against dust, moisture, and water ingress—vital for electronics in exposed or rugged environments. Recab knowledge ensures the systems meet relevant IP ratings, including IP65, IP67, and higher, supporting reliable operation across transport, defense, and industrial sectors.

PRODUCT OFFERING

COMPLEXITY



- FULL CUSTOM DESIGN (WITH PARTNER)
- SEMI CUSTOM DESIGN
- OPEN STANDARD SYSTEMS
- ADAPTED STANDARD PRODUCTS
- OPEN STANDARD PRODUCTS
- STANDARD PRODUCTS
- INDUSTRIAL DATA COMMUNICATIONS
- INDUSTRIAL PERIPHERALS



SOME OF OUR CUSTOMERS

ABB

FLIR

kapsch >>>



KONGSBERG



DeLaval

Decon-X
PREVENTING INFECTIONS

**AKVA
GROUP**

SAAB

Tetra Pak®

MYCRONIC

**TELEDYNE
RESON**

NOY

DEFENCE PRODUCTS & SOLUTIONS

For the defense sector, Recab provides rugged, MIL-compliant computing and communication systems designed for mission-critical applications. Our solutions ensure reliable performance in extreme conditions, supporting command and control, surveillance, and embedded processing across land, air, and naval platforms.





MARITIME PRODUCTS & SOLUTIONS

For the maritime sector, Recab supplies durable embedded systems and industrial communication solutions designed to handle vibration, humidity, and salt exposure. These technologies support navigation, automation, and vessel monitoring, ensuring reliable operation in both onboard and offshore environments.



CRITICAL INFRASTRUCTURE PRODUCTS & SOLUTIONS

For critical infrastructure, Recab delivers systems that enable secure data communication, real-time monitoring, and control. Solutions are built to withstand extreme conditions and meet industry standards, ensuring uptime and operational reliability across energy, transportation, and utility networks.



MACHINE AUTOMATION PRODUCTS & SOLUTIONS

For machine automation, Recab delivers high-performance computing solutions with Edge AI capabilities, enabling precise control, real-time data processing, and seamless system integration. Our platforms support advanced motion control, machine vision, and predictive maintenance in demanding industrial environments.



SINGLE BOARD COMPUTERS

3.5"-SBC-RPL

3.5" Single Board Computer with 13th Gen Intel® Core™ U-Series Processors

- Supports Intel® Core™ i7/i5/i3 (13th Gen) or Intel® U300E processors, up to 10 cores, 4.9 GHz, 12–28 W TDP
- Up to 96 GB DDR5 5200 SO-DIMM memory across two slots
- Intel® Iris® Xe Graphics with LVDS and dual DP outputs (8K @ 60 Hz), quad display support
- Dual 2.5 GbE LAN (Intel® I226-LM/IT) with TSN support on URE models
- 4 × USB 3.2 Gen 2, 4 × USB 2.0, 2 × RS-232/422/485, 4 × DI, 4 × DO, optional 2 × CAN Bus, M.2 B/E/M slots and SATA 3.0
- Line-in/out, mic-in, stereo speaker-out (3 W), and S/PDIF via TSI 92HD91B codec
- 9–36 V DC input, AMI uEFI BIOS, TPM 2.0, watchdog timer, and smart fan control
- Operating 0–60 °C (standard) or –40–85 °C (extended), 0–95 % humidity, CE/FCC/UKCA/UL Class B compliant

3.5"-SBC-AML/ADN

3.5" Single Board Computer with Intel Atom® x7000(R)E Series, Intel® Core™ i3 N-Series & Intel® N-Series Processors

- Supports Intel® Atom®, Intel® Core™ i3-N305, Intel® N97, N200, and other variants (2–8 cores, up to 3.8 GHz, 6–12 W TDP), 1× DDR5 4800 SO-DIMM, up to 16 GB memory
- Intel® UHD Graphics Gen 12 with LVDS/eDP (4K @ 60 Hz) and 3× DP ports (2 DP + 1 DP USB-C), triple display support
- Dual 2.5 GbE LAN (Intel® I226-V/IT) with TSN support on Atom models
- 2× USB 3.2 Gen 2 Type A, 1× USB 3.2 Gen 2 Type C (DP & PD), 3× USB 2.0, and 4× RS-232/422/485 serial ports
- 4× DI, 4× DO, 1× SATA 3.0, and M.2 B/E/M slots with SIM card and board-to-board expansion connector
- 9–36 V DC input, AMI uEFI BIOS, TPM 2.0, smart fan support, watchdog timer.
- Operating 0–60 °C (standard) / –40–85 °C (extended), 0–95 % humidity, CE/FCC/UKCA/UL Class B compliant

2.5"-SBC-AML/ADN

2.5" (p)ITX Single Board Computer with Intel® Atom® x7000(R)E Series, Intel® Core™ i3 N-Series & Intel® N-Series Processors

- Supports Intel® Atom®, Intel® Core™ i3-N305, Intel® N97, N200, and N50 processors (2–8 cores, up to 3.8 GHz, 6–15 W TDP)
- Integrated 4 GB / 8 GB / 16 GB LPDDR5 4800 memory
- Intel® UHD Graphics Gen 12 with eDP (4K @ 60 Hz) + dual DP (4K @ 60 Hz) for triple display support
- Dual 2.5 GbE LAN (Intel® I226-V/IT) with TSN support on Atom® models
- 2 × USB 3.2 Gen 2 Type A, 1 × USB 3.2 Gen 2 Type C (w/ DP & PD), 2 × USB 2.0, and 2 × RS-232/422/485 serial ports
- 4 × DI, 4 × DO, 32–128 GB eMMC storage, M.2 Key B & E slots with SIM card support
- 9–20 V DC input, AMI uEFI BIOS, TPM 2.0, programmable watchdog, and system monitoring
- Operating 0–60 °C (standard) / –40–85 °C (extended), 0–95 % humidity, CE/FCC/UKCA/UL Class B compliant

D3724-R mSTX

Industrial Motherboard supporting the AMD Ryzen™ Embedded R2000 Series SOC

- Supports AMD Embedded R2312, R2314, and R2514 SoCs with integrated AMD Radeon™ Vega Graphics
- 2× DDR4 2400/2666 SO-DIMM slots, up to 32 GB memory
- Multiple display options: up to 3× DP++, 1× HDMI 2.0b, 1× eDP 1.4, and 1× dual-channel LVDS (up to 4K)
- Dual Ethernet (Intel® i210 + Realtek RTL8111H) with 10/100/1000 Mbit/s
- 2× USB 3.2 Gen2, 3× USB 3.2 Gen1 (incl. Type-C), and 2× USB 2.0; 2× RS-232/422/485 serial ports
- 1× SATA III, 1× M.2 Key-M (PCIe x4), and 1× M.2 Key-E for WLAN/Bluetooth
- DC input 12 V or 19–28 V (65–100 W), AMI Aptio 5.x UEFI BIOS, triple-level watchdog, and dual PWM fan cooling
- Operating –10 °C to +60 °C, 5–85% humidity, Mini-STX form factor (140 × 148 mm), CE/UKCA/cTÜVus certified

PANEL PC & HMI COMPUTERS



NRU-170-PPC Series

IP66 Waterproof 10.1" AI Panel PC Powered by NVIDIA® Jetson Orin™

- Powered by NVIDIA® Jetson Orin™ NX or Orin™ Nano SoM bundled with JetPack
- IP66 waterproof and dustproof
- 1920 x 1200 resolution, 1000 cd/m² brightness, 1000:1 high contrast ratio
- 25°C to 60°C fanless operation (No throttling at 60°C with MAXN TDP Mode)
- 6x GMSL2 automotive cameras via FAKRA Z connectors (NRU-171V-PPC)
- 4x PoE+ GbE via M12 X-coded connectors (NRU-172S-PPC)
- 1x CAN FD and 1x RS232 via M12 A-coded connectors
- 8V to 35V wide-range DC input with built-in ignition power control
- Compatible GMSL2 cameras with pre-built drivers
- 25 °C to +60 °C (passive cooling, MAXN TDP); non-throttling at 60 °C with 25 W TDP
- Storage -40 °C to +85 °C; humidity 10-90%, non-condensing.
- MIL-STD-810H vibration & shock rated; CE/FCC Class A; EN 55032 & EN 55035; EN 50121-3 (EN 50155:2017 Clause 13.4.8, NRU-172S-PPC only).



VT-979

15" Windows Vehicle Mount Computer with Intel® 12th Gen Core-i Processor

- 15" TFT-LCD with resistive or projected capacitive touchscreen
- Front panel integrated with numeric function key control
- Rugged aluminum enclosure and fanless design
- IP66 protection against water and dust
- Compliant with MIL-STD-810H vibration testing standards
- Wide range 8-36VDC power input with ignition control
- Flexible expansion capability for Wi-Fi 6E, Bluetooth 5.3, LTE, 5G, GNSS, CAN2.0B
- Available in multiple sizes and CPU alternatives
- Operating -30 °C to +60 °C; storage -40 °C to +70 °C; 95% humidity at 70 °C (non-condensing); IP66 compliant (I/O interface closed).
- Tested to MIL-STD-810H (shock and vibration); certified CE and FCC for EMC compliance.



GOT107W-319

7" WSVGA TFT Fanless Touch Panel Computer with Intel® Celeron® Processor N3350

- 7" WSVGA TFT LCD, 1024x600 resolution, 320 nits brightness with projected capacitive multi-touch
- Intel® Celeron® N3350 (dual-core, up to 2.4 GHz) or optional Intel® Pentium® N4200 (quad-core, up to 2.5 GHz)
- 8 GB DDR3L-1600 SO-DIMM memory, SoC integrated chipset, AMI BIOS, and TPM 2.0 security
- 2 x USB 3.0, 2 x GbE LAN, 1 x RS-232/422/485, and 1 x RS-232 for flexible connectivity
- 1 x mSATA and 1 x MicroSD, plus M.2 Key E and full-size mini-Pcie expansion slots
- Plastic front bezel with IP65/NEMA 4 protection, 9-24 V DC power input, and 20.4 W power consumption
- Operating range 0 °C – 50 °C, 20-90% humidity, 2G vibration resistance; CE and FCC Class B certified
- Mounting options include panel, wall, stand, and VESA arm kits for flexible installation



GOT115-319

15" XGA TFT Fanless Touch Panel Computer with Intel® Celeron® Processor N3350 or Intel® Pentium® Processor N4200

- 15" XGA TFT LCD, 1024x768 resolution, 300 nits, capacitive or resistive touch
- Intel® Celeron® N3350 or Pentium® N4200 processors with integrated SoC
- Up to 8 GB DDR3L memory and AMI BIOS
- 2 x GbE LAN, 2 x USB 3.0, 2 x USB 2.0, 2 x COM, and audio line-out
- Storage via 2.5" SATA, mSATA, and MicroSD; M.2 and mini-Pcie expansion slots
- IP65/NEMA 4 plastic bezel with speaker, mic, and remote power switch
- 9-24 V DC input, 28.8 W power use, 0-50 °C operation, 2G vibration rated
- CE certified, Windows® 10, supports panel, wall, stand, or VESA mounting

MACHINE VISION COMPUTERS



Nuvo-7000E/P/DE Series

Intel® 9th/ 8th-Gen Core™ i7/i5/i3 Rugged Fanless Computer with 6x GbE, patented cassette & MezIO™

- Intel® 9th/ 8th-Gen Core™ i 35W/ 65W LGA1151 CPU
- Patented Cassette for PCI/PCIe add-on card accommodation
- MezIO™ interface for easy function expansion
- Rugged, wide temperature range from -25°C to 70°C fanless operation
- Up to 6x GigE ports, supporting 9.5 KB jumbo frame
- M.2 2280 M key socket (Gen3 x4) supporting NVMe SSD or Intel® Optane™ memory
- 4x USB 3.1 Gen2 ports and 4x USB 3.1 Gen1 ports
- VGA/ DVI/ DP triple independent display, supporting 4K2K resolution
- Environmental: Operating -25 °C to +70 °C (with 35 W CPU) or -25 °C to +50 °C (with 65 W CPU); storage -40 °C to +85 °C; humidity 10–90%, non-condensing.
- Rugged & Compliance: Meets MIL-STD-810G vibration/shock standards; certified CE/FCC Class A, UL62368-1, and IEC62368-1.



Nuvis-7306RT Series

Intel® 9th/ 8th-Gen Core i machine vision computer with vision-specific I/O, real-time controller and GPU-computing

- Supports Intel® 9th/8th Gen Coffee Lake CPUs (LGA1151, up to 65 W TDP) including Core™ i7/i5 series
- Up to 64 GB DDR4-2666 via two SODIMM slots, Intel® Q370 chipset, AMT 12.0, TPM 2.0
- Integrated Intel® UHD 630 with VGA, DVI-D, and DisplayPort (up to 4K resolution)
- 4-CH LED lighting control, 4-CH camera trigger, encoder input, isolated DI/DO, and real-time MCU-based I/O
- Connectivity: 6x Gigabit Ethernet, 4x PoE+ ports (25.5 W each), 9x USB (Gen1/Gen2/2.0), and audio I/O
- Storage & Expansion: 2x SATA (RAID 0/1), 1x M.2 NVMe, 1x mSATA, 2x PCIe x16 (for GPU/CameraLink/CoaXPress), and M.2 with dual SIM
- Power & Design: 8–35 V DC input, remote control terminal, wall-mount chassis (240 × 225 × 111 mm, 3.7 kg)
- Environmental: -25 °C to +60 °C (with 35 W CPU), MIL-STD-810G vibration/shock rated, CE/FCC Class A compliant



Nuvis-534 Series

AMD Ryzen V1000 Ultra-compact Vision Controller with Vision-specific I/O and real-time controller

- Processor: AMD Ryzen™ V1807B CPU (4C/8T, up to 3.8 GHz, 35–54 W TDP) with integrated Vega GPU (11 compute units)
- Memory: Up to 32 GB DDR4-3200 SDRAM via one SODIMM socket
- Vision I/O: 4-CH LED lighting control (constant current/voltage), 4-CH camera trigger, encoder input, isolated DI/DO, and real-time I/O via MCU
- Network & Ports: 4x Gigabit Ethernet (Intel® I350-AM4, PoE+ 80 W), 4x USB 3.1 Gen1, VGA + DP outputs, RS-232/422/485 serial ports, and audio jack
- Storage: 1x M.2 2280 NVMe PCIe Gen3 x2 slot for SSD
- Power Supply: 8–35 V DC input via 3-pin terminal block with remote control and LED output
- Mechanical: Compact 82 × 118 × 176 mm metal housing, 1.5 kg, DIN-rail or wall mount, external 80 mm fan
- Environmental: -25 °C to +70 °C operation, -40 °C to +85 °C storage, MIL-STD-810G vibration/shock, CE/FCC Class A compliant



RTC-I116

Intel® Core i3-N305/ Atom® x7425E Ultra-compact Embedded Computer with 4x PoE+, USB 3.2, and MezIO® Interface

- Intel® Alder Lake Core™ i3-N305 processor 15W with 8 E-Cores or Atom® x7425E
- Up to 16GB DDR5-4800 SODIMM
- -25 °C to 70 °C rugged wide temperature operation
- 4x GbE ports PoE+ / 4x USB3.2 Gen 2 with screw-lock
- M.2 2280 M key SATA socket
- DP++ / HDMI 1.4b dual display outputs
- 4-CH isolated DI + 4-CH isolated DO
- Front I/O access DIN-mounting design
- MezIO® compatible

RUGGED TABLETS



RTC-1020

10.1" Rugged Tablet Featuring 11th Gen Intel® Core™/Celeron® Processors.

- Display: 10.1" FHD (1920×1200), 450/800 nits brightness
- CPU & Memory: 11th Gen Intel® Core-i/Celeron®, LPDDR4X up to 32 GB
- Storage: M.2 SSD up to 256 GB
- Connectivity: Wi-Fi 802.11 a/b/g/n/ac, Bluetooth 5.1, optional LTE
- I/O: RS-232/422/485, RJ45, USB 3.2 Gen 2 (Type-C), USB 2.0 × 2
- Extras: Optional 2D scanner, NFC reader, GPS + Galileo (default), GLONASS/BeiDou (optional)
- Camera & Power: 5 MP front / 8 MP rear, hot-swappable batteries (32.7 W×2 or 51.1 W×2)
- Rugged Design: MIL-STD-810H, IP65, 122 cm drop, Windows 10/11 IoT



RTC-1200

11.6 inch Rugged Tablet Features Intel Kaby Lake Up To 3.9 GHz Dual Core Processor with Windows® 10

- Display: 11.6" FHD (1920×1080), 500/850 nits TFT LCD
- Processor: Intel® Core™ i7-7100U / i7-7300U / Celeron® 3965U, up to 3.9 GHz
- Memory & Storage: DDR4 up to 16 GB, M.2 SSD 64 GB (default) / 128 GB / 256 GB
- Connectivity: Wi-Fi 802.11 b/g/n, Bluetooth 5.1, optional LTE
- I/O: RS-232/422/485, RJ45 GbE, USB 3.2 Gen 1 ×2 (Type-C ×1), USB 2.0 ×2
- Extras: Optional 2D scanner, NFC reader, GNSS/WWAN pass-through dock
- Camera & Power: 2 MP front / 8 MP rear, hot-swappable 14.4 V 32.7 W ×2 batteries
- Rugged Design: MIL-STD-810G, IP65, 122 cm drop, Windows 10 IoT



RTC-M81

8" RTC-M81 Android Rugged Tablet with MTK Octa-core Processor

- Display: 8" 800×1280, 700 nits, 1200:1 contrast, Gorilla Glass, 10-point capacitive touch
- Processor: MTK MT6771, Octa-core (Cortex-A73 + A53, 2.0 GHz) with ARM Mali-G72 GPU
- Memory & Storage: 4 GB / 6 GB LPDDR4, 64 GB / 128 GB eMMC + TF slot (up to 256 GB)
- Connectivity: Wi-Fi 802.11 a/b/g/n/ac, Bluetooth 4.2, LTE, GPS/GLONASS/BeiDou
- I/O Ports: USB 2.0 A + Type-C, RJ45, Mini HDMI, audio jack, SIM & TF slots, RS232/DC-in (via aviation plug)
- Cameras & Sensors: 5 MP front, 13 MP rear with flash, plus compass, gyro, G-sensor, light sensor
- Optional Features: NFC, UHF RFID, 1D/2D barcode reader, fingerprint sensor
- Rugged & Power: IP67, MIL-STD-810H (4 ft drop), 10 000 mAh removable battery, Android 11



RTC-I116

11.6" RTC-I116 Windows Rugged Tablet with Intel® Core-i Processor

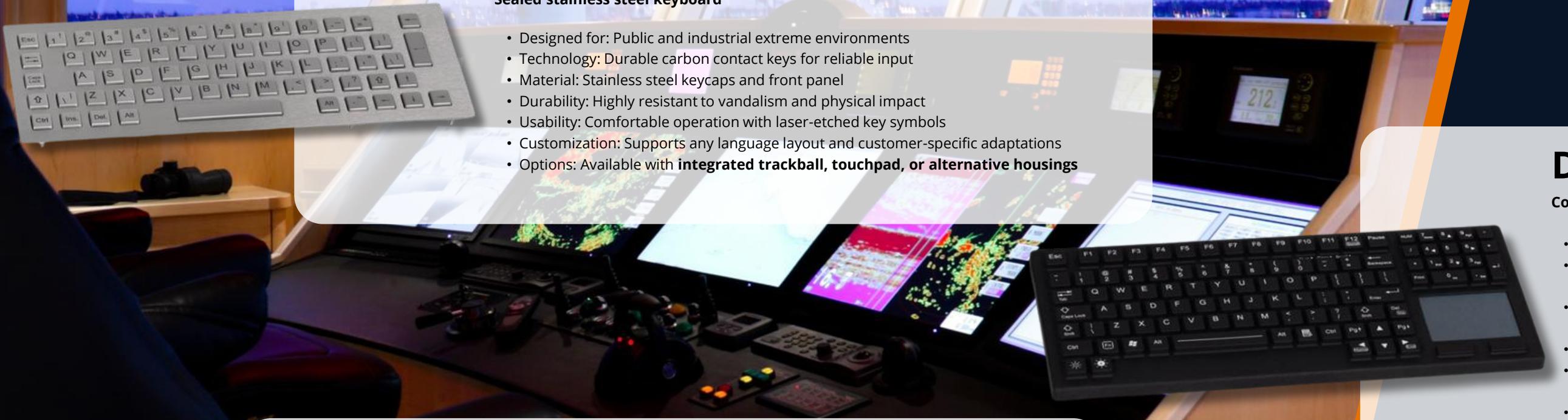
- 11.6 inch Rugged Tablet Features Intel Kaby Lake Up To 3.9 GHz Dual Core Processor® 10
- Display: 11.6" FHD (1920×1080), 500/850 nits TFT LCD
- Processor: Intel® Core-i i7-7100U / i7-7300U / Celeron® 3965U, up to 3.9 GHz
- Memory & Storage: DDR4 up to 16 GB, M.2 SSD 64 GB (default) / 128 GB / 256 GB
- Connectivity: Wi-Fi 802.11 b/g/n, Bluetooth 5.1, optional LTE
- I/O: RS-232/422/485, RJ45 GbE, USB 3.2 Gen 1 ×2 (Type-C ×1), USB 2.0 ×2
- Extras: Optional 2D scanner, NFC reader, GNSS/WWAN pass-through dock
- Camera & Power: 2 MP front / 8 MP rear, hot-swappable 14.4 V 32.7 W ×2 batteries
- Rugged Design: MIL-STD-810G, IP65, 122 cm drop, Windows 10 IoT

HMI SOLUTIONS & KEYBOARDS

65T-ES ATK & 84T-ES ATK

Sealed stainless steel keyboard

- Designed for: Public and industrial extreme environments
- Technology: Durable carbon contact keys for reliable input
- Material: Stainless steel keycaps and front panel
- Durability: Highly resistant to vandalism and physical impact
- Usability: Comfortable operation with laser-etched key symbols
- Customization: Supports any language layout and customer-specific adaptations
- Options: Available with **integrated trackball, touchpad, or alternative housings**



DS109T

Industrial slim keyboard keyboard with modern design

- Carbon contact key mechanism with 1.6 mm tactile travel and 0.65 N actuation force
- Laser-etched, abrasion-resistant key symbols
- Durability: >1 million operations, IP65 protection, operating range -30 °C to +60 °C, storage -40 °C to +80 °C
- Usability: High comfort, compact 109-key layout, LED indicators for mode display
- Customization: Any country layout and customer-specific adaptations available
- Options: Dimmable backlighting or non-backlit versions, USB 2.0 connection, +5 V DC power
- Compliance: CE, RoHS, and REACH certified, meets EMC requirements



DS-105STP

Compact silicone keyboard with touchpad and dimmable backlighting for Maritime.

- Carbon contact key mechanism with 1.5 mm tactile travel and 4.5 N actuation force
- Material: Silicone rubber keypad with metal backplate and laser-etched, UV-coated key symbols
- Durability: 500×1000 operations, IP68 protection, operating range -30 °C to +60 °C, storage -40 °C to +80 °C
- Usability: 105-key compact layout with integrated touchpad and adjustable white backlight
- Customization: Common country layouts available; desktop housing with optional mounting bolts
- Options: USB interface, brightness control keys, 15.5 mm grid spacing
- Compliance: CE and RoHS certified, fully compliant with IEC 60945 and EMC standards



Custom HMI solutions

If standard solutions don't fit your needs, we can design and build anything you require in this field, fully customized to your specifications

- Expertise: Tailor-made input systems that meet high standards in design, quality, and functionality
- Materials: Use of premium components — switches, electronics, glass, plastics, and stainless steel
- Manufacturing: Produced in Germany under DIN EN ISO 9001 and in Taiwan under ISO 9001, 14001, 13485, and IATF 16949
- Customization: Solutions include membrane, metal, silicone, capacitive keyboards, and touchscreens
- Innovation: Combines multiple technologies to create new, intuitive HMI concepts

INDUSTRIAL DATA COMMUNICATION



5G All-In-One Starter Box #1

Fast track to Mobile Private Networks

- 1 Server
- 1 Switch
- 20 x SIM Cards
- 5G Indoor Small Cell (Outdoor option on request)
- 1 Portable case
- Support up to 1000 users
- 1 Year support included



IGX

Industrial Access Point

- Wi-Fi Standard: Wi-Fi 7 (802.11be) with simultaneous 5 GHz and 6 GHz operation
- Design: IP65-rated (waterproof) for industrial and warehouse environments
- Antenna Options: Internal or external antenna configurations available
- Mobility: Designed for seamless AGV roaming and stable connectivity
- Power Supply: PoE+ or 24 V DC
- Operating Temperature: -20 °C to +65 °C
- Installation: Wall or ceiling mount
- Protection: Industrial-grade build for reliable performance in harsh conditions



GREYHOUND2000

Standard Ethernet Switch

- Port Flexibility: Up to 34 ports per device, including four 8-port FE/GE modules
- Connection Options: RJ45, SFP, DST/DSC fixed fiber, plus two 1/2.5/10 GE SFP uplinks
- Power Redundancy: Dual power supply options for maximum uptime (24–48 VDC or 60–250 VDC / 100–240 VAC)
- Performance: Enhanced Layer 2 and 3 functionality via Hirschmann Operating System (HiOS)
- Precision: PTPv2 synchronization with PRP/HSR redundancy for real-time reliability
- Security: Advanced cybersecurity aligned with IEC 62443 Secure Product Development Lifecycle
- Approvals: Certified to IEC61850-3, IEEE1613, EN50121-4, CE, FCC, EN61131, EN62368-1
- Applications: Ideal for mission-critical industrial networks and digital substation upgrades in power transmission and distribution



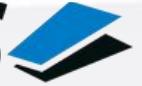
BXR Switches

28-Port Rugged Industrial Switch with M12 X-Coded PoE/PoE++ Connections for Reliable High-Speed Networking

- Ports: 28 total, all M12 "X"-coded with combo push-pull connectors (IEC 61076-2-010)
- High-Speed: 4 × 1/2.5/10 Gbit/s TX-M12 X-coded
- PoE++ Ports: 2 × 1/2.5/10 Gbit/s and 2 × 10/100/1000 Mbit/s TX-M12 X-coded
- PoE+ Ports: 20 × 10/100/1000 Mbit/s TX-M12 X-coded
- Temperature Range: Operating -40 °C to +70 °C; storage -40 °C to +85 °C
- Build: Metal housing with conformal-coated PCB for extra protection
- Protection Class: IP40, suitable for flat surface mounting
- Dimensions & Weight: 428 × 117.6 × 168.9 mm; 6.2 kg



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Recab collaborates with world-leading supplier partners to deliver advanced, high-quality components and systems. They form the foundation of our tailored solutions. These strong partnerships ensure early access to the latest technologies, proven product reliability, and long-term availability and support—critical for customers operating in demanding and regulated industries.

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Recab, part of the Addtech Group, is committed to advancing sustainability by aligning with Addtech's 2030 targets for reduced emissions, responsible sourcing, and increased circularity. These goals guide our operations, partnerships, and strategic decisions. Sustainability is not a feature—it's a shared responsibility across the group, embedded in how we work and grow.



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Recab offers a dedicated Key Account team that ensures close collaboration, fast response times, and deep understanding of each customer's unique needs. The team supports long-term partnerships and delivers tailored technical and commercial solutions.

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