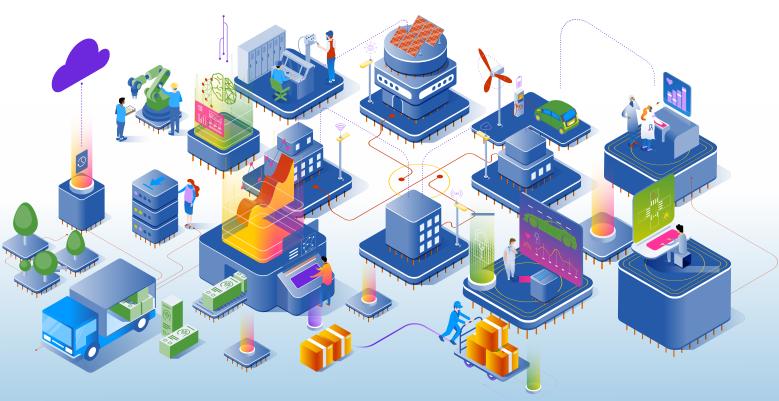# Alcom
e l e c t r o n i c s

A STELIAU TECHNOLOGY COMPANY

ELECTRONIC COMPONENT SOLUTIONS

WIRELESS EMBEDDED CONNECTIVITY & SENSORS

BOXED WIRELESS & INDUSTRIAL CONTROLS NETWORKING

DISPLAY & TOUCH

LED & SOLID STATE LIGHTING

POWER & EMC

EMBEDDED SYSTEMS, AI & EDGE COMPUTING

TABLE OF CONTENT

Bridging the gap between technology, people and business

With over 40 years of expertise, Alcom electronics is the leading technical distributor, stocking representative, and manufacturers' representative for electronic component solutions, wireless embedded connectivity & sensors, boxed wireless & industrial controls networking, display & touch, LED & solid state lighting, power & EMC, and embedded systems, AI & edge computing. We integrate multiple product groups and advanced technologies to fit the end applications of our customers.
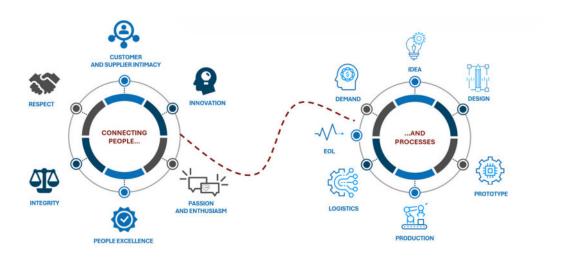
The human touch

We leverage cutting-edge technology, expert engineers, and personalized support to deliver competitive solutions across diverse markets. For over 40 years, Alcom electronics has provided end-to-end engineering support, accelerating time to market.

As a trusted partner of premier suppliers, our manufacturer certified sales and application engineers offer specialized knowledge from concept to production. This ensures our business partners meet solution-driven, technically competent, and enthusiastic professionals who support our customers with specialized knowledge and design-in expertise. Our technical experts function as the local extension of our suppliers' technical teams.

We are committed to ESG principles, sustainability, and quality, backed by certified management systems and detailed reporting.

Co-creation starts here

Our look into the future

Alcom electronics is optimistic about market conditions, activity, and growth. We are expanding our customer base, capabilities, and offerings, laying the groundwork for a bright future.   As the industry transitions from the extreme peaks of 2021 to 2023, we foresee a gradual, steady upward trend, driven by our customers' game-changing innovations.

Our future success is based on a long-term strategy with a local-for-local competitive approach and presence, while providing worldwide supply chain and logistics services. Alcom electronics is ready to support the next wave of innovation, empowering our partners to shape the future.

ABOUT STELIAU TECHNOLOGY

Electronic components and systems from a European leader

Acquired in May 2023, Alcom electronics proudly became part of Steliau Technology.
Hence, we now offer an even broader product portfolio, additional product categories, and enhanced competencies, delivering comprehensive value-added services through strategic synergies within Steliau Technology.

Since 2021, Steliau Technology has achieved remarkable growth, both organically and through mergers and acquisitions. With local operations in each active market, complemented by service and production offices in China and Taiwan, we provide an extensive product portfolio of electronic components and devices that include complete end-to end solutions to meet our customers' needs.

What's next?

Steliau Technology is on a path to becoming the European leader in electronic solutions, offering a diverse range of advanced, high-tech products to thousands of active clients across various industries in attractive growth markets.

The customer remains at the center of all our business activities. Together, we innovate, grow, and empower our partners to achieve success in an ever-evolving technological landscape.

Expanding our footprint across Europe

Our presence spans multiple key markets across the European continent, supported by local offices and strategic hubs in:

- Austria
- Belgium
- China
- Denmark
- Finland
- France
- Germany
- Italy
- Luxembourg
- Norway
- Portugal
- Spain
- Sweden
- Switserland
- Taiwan
- The Netherlands
- United Kingdom
- ...

STELIAU TECHNOLOGY

THINKING **GLOBAL**
ACTING **LOCAL**

MARKET SEGMENTS

A/V BROADCAST

AEROSPACE & MIL

AGRICULTURE

ARTIFICIAL INTELLIGENCE & EDGE COMPUTING

AUTOMOTIVE

(RENEWABLE) ENERGY & UTILITIES

GEOGRAPHIC TECHNOLOGY & MINING

HOME & BUILDING AUTOMATION

IIOT & INDUSTRY 4.0

IN-VEHICLE COMPUTING

INDUSTRIAL AUTOMATION & ROBOTICS

INFRASTRUCTURE & CONSTRUCTION

LIFE SCIENCES & HEALTHCARE

LOGISTICS & SUPPLY CHAIN

MACHINE VISION & IMAGE PROCESSING

MARINE

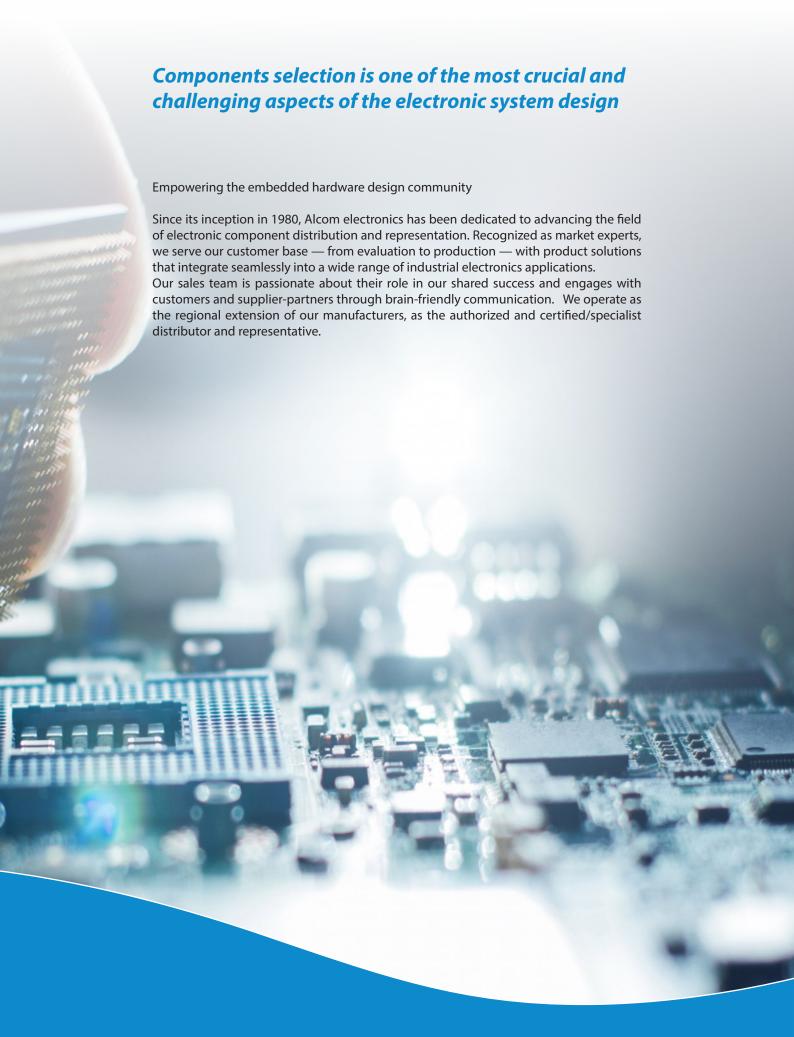**MOBILE & WEARABLES**

POWER & ENERGY MANAGEMENT
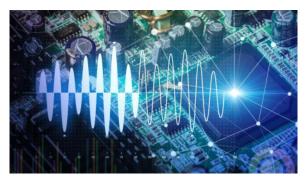
PUBLIC SAFETY

REMOTE MONITORING & CONTROL

T&M AND INSTRUMENTATION

TRAFFIC & TRANSPORTATION

Components selection is one of the most crucial and challenging aspects of the electronic system design

Empowering the embedded hardware design community

Since its inception in 1980, Alcom electronics has been dedicated to advancing the field of electronic component distribution and representation. Recognized as market experts, we serve our customer base — from evaluation to production — with product solutions that integrate seamlessly into a wide range of industrial electronics applications.
Our sales team is passionate about their role in our shared success and engages with customers and supplier-partners through brain-friendly communication. We operate as the regional extension of our manufacturers, as the authorized and certified/specialist distributor and representative.

ELECTRONIC COMPONENT SOLUTIONS

Semiconductors

Analog, mixed signal & sensor ICs

- ADC/DAC-Isolated ADCs, mixed signal, precision analog & interface
- Linear & amplifiers; isolated amplifiers
- Analog signal processors
- Analog & digital isolators
- Isolated standard and smart drivers
- Magneto resistance based products including sensors, isolator and power
- Intelligent sensors-biometric, humidity, magnetic, optical, proximity, light, temperature, thermocouple, position, pressure, current, angular position, thermal management, vibration & accelerometers
- Image & TOF sensors

Audio, video & multimedia

- Music & voice, audio, video, broadcasting ICs
- Connectivity solutions for long-reach, high resolution video driving HDBaseT and MIPI A-PHY standards.
- Audio SOCs; ISD chipcorders for voice, audio recording and playback
- Audio CODECs; ADCs; DACs; Voiceband CODECs
- Audio amplifiers; audio & speech controllers
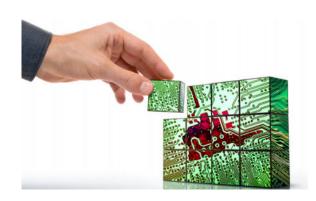- Miniature & vehicle speakers

Active circuit protection

- Overvoltage & protection ICs, USB data line protection ICs, EMI/ESD suppression
- TVS arrays, steering diodes, thyristor surge suppressors, TVS diode arrays
- High powered components & modules

Interface & Network ICs

- USB host & bridging solutions, USB development modules & cable solutions , embedded ethernet, EtherCAT, MotionNet, ISDN line interfaces, network controllers, PCIe
- RS-232/RS-422/RS-485/LVDS/I2C/Profibus/CAN/LIN ICs
- Isolated Interface ; ISO-RS485/RS422; CAN; I2C; DI/DO
- Digital isolators , I/O expansion ICs
- LCD controllers & drivers, HMI display ICs, embedded video engines
- Display power LED/RGB LED/LED backlight drivers & LCD bias supply
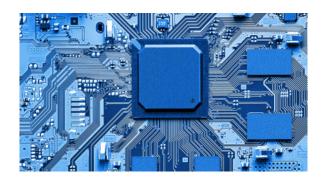- Touch, proximity & gesture
- RFID/NFC

Microcontroller, microprocessors

- Microcontrollers & microprocessors 4-32 bit; proprietary and ARM Cortex cores; RISC-V; DSP's, interface, peripheral & connectivity MCU's
- MCU/MPU starter kits, development boards & tools
- IoT Silicon, software and tools for protocols incl Bluetooth, Wi-Fi, Wi-Sun, Zigbee, Z-Wave, Thread, Matter, Amazon Sidewalk and proprietary.
- Identity provisioning for secure IoT infrastructures
- Secure elements, smart card products and open ARM platforms for security applications, Managed PKI to secure IoT devices

Memories

- SPI NOR/ SPI NAND/ Parallel NAND Flash/ OTP
- DRAM, SRAM, SDRAM
- DDR/ DDR 2/3/4, LPDDR 2/3/4/4X
- e.MMC storage solutions – automotive/ industrial
- NVMe HBGA storage solutions

Programmable logic, ASIC, ASSP

- Small & medium density FPGA's , Arora (V) SRam & Littlebee Flash based FPGA's
- Bridge ASSP between USB & SPI, JTAG, I²C, GPIO and UART
- ASIC solutions-gate arrays, embedded arrays, standard cells
- Starter kits and development tools
- EDA integrated design tools from design entry to verification

Timing & frequency control

- kHz, & MHz SMD/THT Quartz Crystals
- Quartz crystal oscillators uPower/ultra low power/programmable
- MEMS timing-oscillator, clock and resonator products
- Real time clock modules
- Jitter cleaners/network synchronizers
- Clock buffers, clock generators
- VCXO, VCTCXO, SPXO, LPXO, TCXO, OCXO
- Spread spectrum, high temperature, automotive oscillators
- Ceramic resonators, SAW resonators products & filters
- 1U/3U rack mounting & DIN-rail high precision time servers

Motion/motor control

- DC Motor drivers, stepper motor and lens motor drivers; non-isolated gate drivers
- Motor drivers & controllers; 3 phase BLDC motor controllers
- Smart motor modules
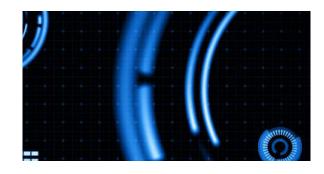- Robot and motor drive technology including e-mobility

Light & optical sensors

- Silicon, InGaAs & GaAs photodiodes
- Laser diodes-detectors, emitters, high power pulsed, InGAAs APD/PIN modules &, modules
- (Customized) Light sensing solutions
- Opto couplers

Power management ICs, modules & discrete power

Power management ICs

- AC/DC & DC/DC power management
- PMIC, LDO, supervisory, reset & battery monitoring management,
- Single & multiple output power modules with integrated inductor
- Moulded inductors supporting power management ICs
- USB, load & analog switches, e-fuses
- High & low voltage switches
- MOSFET drivers, power switches & modules
- Wireless charging components and modules
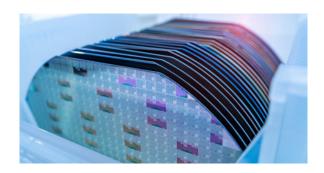- Isolated DC/DC converters & modules

PoE power management modules

- PoE PD & PSE ICs & integrated modules
- High power PoE transformers
- PoE systems including injectors/midspan and switches

Power semi, discretes & modules

- Diodes, rectifiers, transistors
- Power MOSFET & JFETs
- Power modules with integrated inductors
- IGBT, SIC MOSFETS & diodes
- IGBT drivers & SIC driver DC/DC converters
- Wireless power modules
- Thyristors
- Multi discrete modules

LINECARD & KEY PARTNERS   SEMI, POWER MANAGEMENT, MODULES & DISCRETES

3PEAK	AMIC Memory IC's and More	ASIX	Bridgetek BRIDGING TECHNOLOGY	Central Semiconductor Corp.	CHIPANALOG	Cologne Chip
DAPU	EPSON EXCEED YOUR VISION	FTDI Chip	GigaDevice	Golledge	GOWIN	HOLTEK
IM BEYOND LIMITS INTELLIGENT MEMORY	kinetic technologies	MPS	nuvoTon	NVE CORPORATION	OSI Electronics	PROTEK DEVICES
SEAL SQ semiconductors + quantum	SENSYLINK	SILICON LABS	Silvertel	SiTime	Valens	WTL

9

Passive, electromechanical, connectors & cooling

Capacitors & resistors

- Tantalum, chip ceramic & MLCC, film,
- Polymer-radial-SMD-aluminum electrolytic
- Double layer supercapacitors & supercapacitor modules
- Resistors & thermistors

Circuit protection & discrete semiconductors

- Polysurg ESD suppressors, varistors-MLV/MOV/MOVTP/MOVGT, automotive rated products
- Thermal circuit breakers and accessories; voltage selectors
- Custom cutting, kits production and rapid prototyping services
- Thermal analysis
- Multi-discrete modules & power modules
- Fuses, resettable fuses, thermofuses, fuseholders, blocks & clips
- Hi-Rel, Mil and Spacelite components

Magnetics, inductors & transformers

- Chip/surface mount/DIP, high power inductors & ferrite beads
- Common-mode & differential mode chokes, magnetic cores, bobbins
- RF & Signal Inductors
- Ethernet magnetics & connector modules
- Low & high frequency transformers, signal transformers
- Battery management system magnetics, automotive magnetics
- Gate drive/current sensors/planar transformers
- Space, MIL and high-rel magnetics
- EMI & RFI filters

Thermal management

- Thermal pads/pastes/greases/tapes/gap fillers
- Insulator materials
- Axial/blower DC, AC and EC Fans, blowers and accessories
- DC chip coolers
- Thermal modules, heatsinks and liquid cool products

Electromechanical

- Connectors & indicators
- Switches, DIP switches, action switches
- Standard general-purpose electromechanical relays
- Power entry modules
- Input systems

Connectors

- PCB-board to board, headers & sockets, wire to board, IC sockets, plugs & jacks
- PCB card-mPCIe, M.2, mPCI, MXM, SO DIMM, SIM Card, COMe, cPCI, PC/104, Pogo pins, battery connectors, terminal blocks
- D-Sub incl filtered & mixed combi D, hoods & accessories & customized solutions, I/O; sealed I/O, circular M5/M8/M12/M23, RF, optical, waterproof connectors
- DIN41612, highspeed backplane, VPX, VME-bus, advanced TCA
- Power entry modules without filter, IEC power distribution units
- Automotive & machine vision/camera link connectors

Cable assemblies & cords

- Inlet/outlet/cord connectors & cord sets
- Cable assemblies-RF, circular, USB, ethernet, SATA, HDMI, board to wire, LVDS,…
- USB cable assemblies-USB RS232/RS 422/RS 485/TTL cable series
- Custom cable assemblies
- Network cables RJ45 Cat 5e/Cat 6/Cat 6A
- LED connectors cable assembly
- Coaxial cable assemblies, machine vision and camera link cables
- High speed transmission cable assemblies, specialized vehicle harnesses

All-in-one mechanical solutions

- Complete HMI solutions including display, electronics and housing
- Sub assemblies & multi process assemblies
- One-stop assemblies of multiple parts mechanical & electronics
- Aluminium extrusion-plastic injection-precision machining-die casting-metal stamping-EMI-die cutting-surface treatment-busbars-cold plates
- High voltage integration
- Battery pack-Busbar, integrated Busbar, cooling plate/exchanger, connectors & harnesses, thermal solutions, casing manufacturing, surface treatment

LINECARD & KEY PARTNERS PASSIVE, E-MECH, CONNECTORS & COOLING

AMTEK	ATTEND	DELTRON SWISS CONNECT 2 CUSTOMIZE	EATON	Elec & Eltek 依利安达	ept	FUANTRONICS
HD Hongda Capacitors	HTK	INRCORE	JAMICON TEAPO RALEC ASJ	LinkCom Manufacturing Co., Ltd.	LiPOLY	Nic NIC Components Corp.
SCHURTER ELECTRONIC COMPONENTS	SRXTRONIC	TAMURA	TAOGLAS	Tianli	YAGEO PULSE	

Leading the Internet of Things through communication and close collaboration

Simplified wireless connectivity with innovative IoT solutions

Alcom electronics has pioneered the wireless revolution by starting actively in this area with cellular M2M communication technology at the end of the '90s. Today, we offer a comprehensive portfolio of wireless SoCs, modules, antennas and solution services. We offer best-in class highly integrated hardware solutions designed for rapid development and time-to-market along with a full suite of tools and resources. The wireless components and module portfolio is centered around cellular & positioning technologies, short range communications, LPWAN and antennas.

WIRELESS EMBEDDED CONNECTIVITY & SENSORS

Wireless embedded connectivity & sensors

Antennas

- Embedded & external antenna's
- Cellular, mmWave, Sub 6 GHz, GNSS, WiFI, Bluetooth & NFC, combo, ISM/LoRa, UWB, Satcom,…
- In-building/outdoor & vehicular antennas
- Standard & custom configured solutions
- Manufacturer-approved antenna solutions for each router or module
- RF cables & connectors, Assemblies, accessories & mounts

Industrial embedded communication

- 5G/4G/3G/2G/GNSS
- Matter, Bluetooth, BLE, Thread, Zigbee, Z-Wave, Wi-Fi, Sub-Ghz multiprotocol and proprietary ICs and modules
- System-on-Modules
- SBCs with integrated wireless

Managed IoT connectivity and services

- Full hardware and cellular connectivity solution sets
- IoT connectivity management for remote smart connected products
- Edge-to-Cloud solutions for connecting industrial assets
- IoT device monitoring and cloud services
- Device configuration and programming
- Secure connected industrial devices
- Test and certification support services

Sensors

- Solid State ultra-Low power CO_2 gas sensors
- Humidity, light, magnetic, optical, temperature, vibration, angular position, magnetic hall effect sensors, current sensors,
- Vibration gyro sensors, inertial measurement, accelerometer,
- Piezo and ultrasonic transducers
- LoRaWAN wireless IoT sensors
- mmWave presence detection and sensing

Wireless connectivity SoC's & modules

- WiFi, Bluetooth, UWB, Lora, Zigbee, Sub-Ghz, cellular, proprietary, Sigfox, Matter, Thread, Wi-SUN, Z-Wave, multiprotocol as SoC and/or module
- XBee cellular modems and RF wireless modules for 2.4 Ghz & Sub-1GHz
- WiFi 5 802.11ac/WiFi /6E 802.11ax/Wi-Fi 7 802.11be modules
- 5G/5G Redcap/4G Cat 1/Cat 4/Cat 6 IoT modules
- LPWAN NB-IoT /Cat M modules
- Automotive-grade 5G, C-V2X, LTE Cat 6/Cat 4 modules
- GNSS repeaters & positioning modules, trackers & receivers

LINECARD & KEY PARTNERS   WIRELESS EMBEDDED CONNECTIVITY & SENSORS

CAVLI wireless	DIGI.	emwicon	ezurio	Fibocom	GSS Gas Sensing Solutions	jjPlus
LPRS	MULTITECH	Pulse Electronics	SIERRA WIRELESS IS NOW SEMTECH	TAOGLAS	Tibbo TECHNOLOGY	Unictron Technologies Corp.

Simplified (I)IoT connectivity & security

IoT anywhere cannot be achieved with one connectivity type alone

Alcom electronics stands as a leader in the M2M/IoT and industrial data communication sectors, renowned as a true partner in solving complex engineering challenges. With nearly 30 years of innovation in the wireless space, we consistently introduce industry firsts, connecting thousands of businesses to critical data and millions of people to essential information. Our customers rely on us for competitively priced products and services from top global manufacturers, ensuring faster time-to-market.
We specialize in delivering industrial-grade connectivity solutions, cutting-edge AI-powered industrial networking solutions, and efficient smart control systems.

BOXED WIRELESS & INDUSTRIAL CONTROLS NETWORKING

Boxed wireless & industrial controls networking

Antennas

- Embedded/external/in-building/outdoor & vehicle mount antennas
- Cellular, mmWave, GNSS, WiFI, Bluetooth & NFC, combo, LPWA & ISM, Satcom,…
- Custom configured solutions
- Manufacturer-approved antenna solutions for each router or module
- Cables, connectors, accessories & mounts

Industrial control networking

- Rackmount, din-rail, in vehicle-ethernet switches
- Serial and USB-connectivity, USB isolators and serial adapters, protocol switches, fieldbus gateways
- Media converters incl. ethernet, RS-232/RS422/RS485 to fiber media converters
- Industrial ethernet serial servers and adapters, PCI (e) Async/sync serial adapters
- Wired RS-232,RS-422, RS-485, ethernet and CAN solutions
- Industrial communication H/W and S/W for CAN and LIN bus applications
- Network management software
- Industrial time servers & converters
- Smart control solutions
- AUTBUS industrial communication multi-drop broadband fieldbus

Cellular, Networking and LoRaWAN

- Cellular modems, routers and bridges for enterprise, industrial, transportation
- Vehicle routers, gateways and telematics
- Gateways for specific markets such as renewable energy, metering, industrial vending, retail, consumer
- USB connectivity, serial connectivity, console servers
- Infrastructure management software and tools
- Wireless LAN access points
- LoRaWAN gateways, modules, wireless sensors
- Sensor-based IoT solutions (temp, leak detection, movement, push button, proximity, ...)
- IoT platforms for easy management, monitoring and control
- Remote device & energy management solutions
- Cloud-managed networking solutions

Managed IoT connectivity and services

- Full hardware and cellular connectivity solution sets
- IoT connectivity management for remote smart connected products
- Edge-to-Cloud solutions for connecting industrial assets
- IoT device monitoring and cloud services
- Device configuration and programming
- Secure connected industrial devices
- Test and certification support services

LINECARD & KEY PARTNERS   BOXED WIRELESS & ICN

DIGI. | inhand | BeiJer ELECTRONICS | KKG KLG SHARTEC | MULTITECH | .PEAK System | SEALEVEL

SIERRA WIRELESS IS NOW SEMTECH | TAOGLAS | Unictron Technologies Corp.

Leading the Way in Innovative Display Technologies

What's trending in display technology?

At Alcom electronics, we are at the forefront of providing cutting-edge display, touchscreen, and HMI solutions. We supply a complimentary range of products, including ICs, AD boards, touch monitors, ePaper, and open frame displays, catering to the diverse needs of our clients. Our premium touch display solutions are designed to meet the demands of the digital age, integrated seamlessly into various applications. Our commitment to offering one-stop shopping services and end-to-end support has fueled our consistent growth and solidified our partnerships with customers and suppliers.

DISPLAY & TOUCH

Display & touch

e-Paper - OLED - VFD - LCM

- Standard & customized monochrome character/graphic icon LCD
- Intelligent displays with RS-232, SPI and I²C
- VFD displays and modules
- OLED graphic and character display modules
- Mono and color ePaper displays up to 75"
- Controller boards and embedded system solutions

Input systems

- HMI solutions incl input system, display, electronics and housing
- Standard and customized front panels & touch solutions
- PCAP, resistive, IR, SAW touchscreens
- EMI shield windows for TFT modules
- Open frame monitors
- Capacitive switches
- Membrane switches

TFT-LCD displays

- Standard & modified or enhanced TFT mono & color displays
- Curved/outdoor/stretched bar/square and round displays
- High brightness, high resolution, wide view & wide temperature displays
- Sunlight readable displays
- Smart interactive displays
- Automotive, in-vehicle, medical, marine displays
- GUI design tool supported PCAP TFT modules
- Display driving boards, cables, accessories and panel integration
- IC display controllers

Touchscreen technologies

- Resistive/P-cap/infrared and SAW touch
- Advanced & cost-effective optical bonding solutions
- Touch screen controllers
- UV-resistant, high brightness, flat, multifunctional touch displays
- ePaper displays with cover lenses (in glass, PC, or PMMA)
- Capacitive touch switches, sliders and/or wheels
- Custom-configured cover glass, display & touch integration

Total solutions

- Aqua-proof & outdoor PCAP touch
- Optical bonding technology
- Resistive multi touch & 3-in-1 PCAP solutions
- Open frame touch monitors
- ePaper display services including front light guides, touch and driving board
- Coating solutions
- Customized display kits & complete solutions
- LVDS and FCC cables, circuit adapters, video cables, power supply

LINECARD & KEY PARTNERS   DISPLAY & TOUCH

AMT	APEX	AUO Display+	BONA FIDE	CiVUE CIVUE OPTOTECH INC.	Crystal Clear Technology Sdn Bhd CTC	DATA IMAGE
DISPLAY INDUSTRIAL SOLUTIONS VISIONS	Eink.	睿宇 FUTURE-FOCUS	INNOLUX	Noritake	ON	FL RockTouch
SCHURTER ELECTRONIC COMPONENTS	TDO Top Display Optoelectronics	TIANMA	yes Optoelectronics			

17

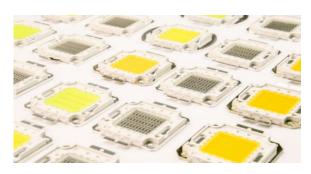## Light is perception, generates inspiration and intensifies emotion

Revolutionizing the lighting industry

We assist in selecting the ideal core LED components from our extensive portfolio, representing the world's leading manufacturers. A truly optimized LED system requires perfect synergy between all components, whilst making sure it meets all the requirements for your target market. Alcom electronics provides everything you need, including connectors, holders, optical solutions, PCBs, LED power solutions, thermal interface materials, heat sinks, IC drivers, and every other critical component to ensure your design performs flawlessly.

LED & SOLID STATE LIGHTING

LED & solid state lighting

Led light sources

- LED Chip-on-board (COB) Arrays
- Specialty LEDs including UV, IR, horticulture, industrial & automotive
- Specialty White and RGBW color LEDs
- LED chips
- SMD and through-hole signal LEDs, mid-power and high-power LEDS
- LED modules & subsystems
- AC Ready Line COB LED modules
- Lasers

Led strips

- Linear and square modules
- Strips for indoor/outdoor usage
- 12/24/48VDC & 230VAC LED strips
- Dot-free and COB LED strips
- Human centric, dim-to-warm and tuneable white LED strips
- RGB and RGBW LED strips
- Consumer & industrial vertical market-specific lighting LED strips
- Matching dimmable or non-dimmable CV drivers in different form factors with optional PIR sensors
- LED strip accessories

Led power drivers and controls

- Programmable LED power-constant current; constant power; constant voltage certified for EU, US or global use
- Standard and smart outdoor/indoor LED power drivers
- Power-to-light solutions
- DC powered LED drivers
- Light management by voice command
- Wireless and smart intelligent control & dimming
- Flush mount solutions
- Capacitive touch, optical or push-button control and dimming
- 4-channel RGBW drivers

Led ecosystems support and solutions

- Light optics & platforms, reflectors & PMMA, PC and silicon lenses, films and filters
- LED heat sinks, thermal interface materials and other thermal solutions
- Holders, connectors and sockets
- LED lighting and display drivers ICs
- LED backlight & RGB(W) LED driver ICs
- Alu- and Cu-based PCBAs
- LED power drivers & power-to-light solutions
- Smart driving controllers
- Battery powered LED applications

LINECARD & KEY PARTNERS — LED & SOLID STATE LIGHTING

APEX	bridgelux	HERCULUX	HOLTEK	inventronics	kinetic technologies	LEDiL
LiPOLY	LUMINUS	MOSO	MPS	nectogroup JOIN INNOVATION	PAIRUI	SNAPPY KNOW HOW. NO LIMITS.

Balancing the essential power solution between performance, reliability and cost

Reliable power solutions for the most demanding & critical applications

Since its inception, Alcom electronics has seamlessly integrated power solutions into its diverse portfolio of synergistic products. With over 30 years of experience, Alcom electronics stands as the regional specialist and market leader in power supplies, DC/DC converters, power semiconductors, power management ICs, magnetics, transformers, and associated support products. We are committed to supporting your next power project with the most sustainable and innovative power solutions available

POWER & EMC

Power conversion & batteries

AC/DC power supplies

- Open frame, enclosed, encapsulated, board mount, din rail, rack mount, HiRel and MIL-COTS
- External plug-in adapters; desktop,wall-mount, flush-mount and USB power supplies
- Industrial, ITE, household, gaming, medical, MIL, aero- approved power
- Standard/modular/configurable & customer-specific power
- Military power systems-rackmount, VPX, configurable
- LED power

Power solutions >1000 Watt

- Modular high density configurable and conduction cooled power supplies up to 1200W
- Coolant power supplies providing conduction, convection, air and liquid cooling
- Power distribution units

DC/DC converters

- Open frame, enclosed, encapsulated, board mount, external, rack mount
- DC/DCs for general industrial, data & telecom, pv, medical and rail
- Brick DC/DC converters
- Low stand-by power modules
- Isolated & non-isolated DC/DC converters
- Power modules with integrated inductors
- Power management ICs
- DC/DC Conduction cooled converters
- Hi-Rel & MIL-COTS converters & filters

DC/AC inverters

- Medical-grade UPS systems
- UPS for residence, retail, edge computing, server rooms, cloud & datacenter infrastructure
- MilQor military-grade UPS

Batteries

- Primary batteries: non rechargeable
  Li-MnO$_2$, LI-SOCl$_2$, alcaline, Nikel Zinck
- Secondary batteries: rechargeable
  NI-MH, Li-ion - Li-Poly, LiFePo$_4$, Zinc carbon
- (Custom) Battery packs & battery management systems
- Driving solutions for e-mobility

Battery chargers

- Battery management ICs
- Compact interchangeable AC-plug & desktop chargers
- Intelligent eco-friendly battery charge modules
- Battery chargers for lead acid and lithium-ion batteries
- E-Mobility converters including on board DC/DC, OBC and OBC + DC/DC combo's
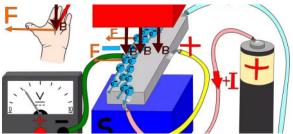
Magnetics, transformers & EMC

Transformers

- PCB & flat laminated transformers
- AC/DC power modules for PCB mounting
- Single/three-phase mains transformers
- Toroidal transformers
- Linear, telecom, audio transformers
- Planar transformers
- Water cooling ultra large size reactors
- Ultra large size power transformers/reactors

Magnetics, inductors & choke coils

- Chip/surface mount/DIP, high power inductors & ferrite beads
- Common-mode & storage chokes, magnetic cores, bobbins and plastic parts
- Active and noise filters
- Telecom, broadband, LAN magnetics & connector modules
- RF magnetics
- Low & high frequency transformers
- BMS transformers, data bus couplers, delay lines
- Automotive magnetics
- Space, MIL, aerospace and high-rel magnetics

Current & hall effect sensors

- Hall effect current sensors
- Hall effect linear current sensors ICs
- Current sense magnetics & transformers

EMC/EMI/RFI filters

- EMI and RFI filter components
- Suppression components including capacitors, coils, transformers and HF chokes
- Power entry modules with filter, single and 3-phase block filters
- EMI shield windows for TFT modules
- Custom RF shielding cases
- Avionics line filters & PFC modules

Wireless charging

- Wireless power transceiver, receiver and transmitter modules
- Wireless charger Tx/Rx flash MCU's
- Inductive charging
- Qi2 wireless charger
- Wireless coils and coil modules

LINECARD & KEY PARTNERS   POWER & EMC

*Making modular industrial designs
easier, more powerful and more flexible*

System-level thinking based on a complete product portfolio

The Alcom comprehensive product portfolio & custom configured system solutions are based on hardware platforms ranging from embedded computing modules, single board computers, display and touchscreen technologies, human-machine interfaces and industrial displays, industrial PCs, modular solution platforms. On top of our standard products, we are open to listen to your specific needs-being commercial, technical, assembly and integration, logistics or custom-specific services.
Let's rethink your concept at an early phase by creating smart products hat deliver maximum value.

EMBEDDED SYSTEMS, AI & EDGE COMPUTING

Boards & systems

19 inch, VPX, cPCI, xTCA

- CPCI/ CPCI-serial/ serial-blades, enclosures, systems, backplanes
- VPX, OpenVPX rugged platforms & peripherals
- AdvancedTCA platforms; switch and processor blades
- 19" 1U-4U rackmount systems & tower workstations
- Rackmount integrated system solutions
- 19" Chassis, backplane & power supplies
- Accessories

Computer & System-on-Modules

- ARM, x86, power architecture, GPU-base
- OSM, SMARC, Qseven, ETX, MXM, DIMM, SODIMM, MicroSoM, LGA
- Proprietary standard solderable/pluggable SoM's
- COM express type 7/6/2/10; COM-HPC
- SoM's with integrated wireless connectivity
- AI edge computing modules & boxes
- Raspberry Pi replacements
- Open standard modules, starter kits, evaluation and carrier boards

Embedded I/O expansion modules & systems

- Data acquisition, digitizers, GPIB
- CAN, CAN FD and LIN fieldbus communication
- Bus converter modules
- Analog output, digital & remote I/O modules
- Digital & analog for test, measurement and manufacturing
- Controllers and distributed I/O with integrated Codesys control

GPU and Edge computing

- Embedded graphics based on Nvidia Quadro & Intel Arc
- MXM GPU modules and PCI Express based on Nvidia Quadro GPU's
- Edge AI platforms based on Nvidia Jetson
- Edge AI solutions with Nvidia Jetson Orin
- Edge AI computing platforms and complete systems
- High performance AI Computing Systems

Industrial & embedded motherboards

- 3,5"-5,25" SBC, PC/104 & PC/104+, EPIC, Pico-ITX, ATX Thin Mini-ITX, Mini-ITX, PICMG
- Single Board Computers - SBC's, supporting multiple wireless interfaces
- Chassis/backplane/power supplies, peripherals & accessories

Industrial embedded communication

- 5G/4G/3G/2G/GNSS
- Matter, Bluetooth, BLE, Thread, Zigbee, Z-Wave, Wi-Fi, Sub-Ghz multiprotocol and proprietary ICs and modules
- System-on-Modules
- SBCs with integrated wireless

Industrial PC & systems

- Modular embedded computers, IPC systems & IoT gateways
- Compact/Expandable/integrated fanless embedded PCs
- NUC Mini PCs, kits and elements
- Tinker Board ultrasmall SBC- the best industrial Raspberry Pi alternative
- Industrial & stainless steel panel PCs & HMI
- ATEx certified box Pcs
- In-vehicle, medical, rail, marine, specific embedded computing
- Standard and custom-configured 19" rackmount

Edge AI Computing for Machine vision

- Full spectrum of frame grabbers, video capturing cards, embedded vision systems & more
- GPU and Edge AI
- AI Smart camera, vision system & AI vision software
- Compact-integrated PC systems with flexible expansion

Motion/motor control

- Motion control & I/O
- Pulse motion controllers
- EtherCAT motion control products
- Frequency inverters & servo motion
- Smart motor modules
- Robot and motor drive technology including e-mobility

PXI products

- PXI products for test & measurement
- PXI/PXIe modules, controllers, and chassis
- Remote controller

Smart camera

- AR/VR and XR digital wearable products/smart tracking solutions
- AI smart & embedded vision camera

Tablets, Handhelds & Wearables

- Industrial & rugged tablets
- Military tablets
- E-Ink Notepads and signage boards
- Wearables
- Vehicle mount computers
- Accessories

Panel PC's, HMI, memory & storage

Input systems

- The perfect HMI as selection process from front glass selection, glass printing, PCAP sensor, PCAP controller, display, optical bonding to mechanical construction
- Complete HMI solutions including display, electronics and housing
- All-in-one mechanical solutions
- Standard and customized front panels & touch solutions
- PCAP, resistive, IR, SAW touchscreens
- EMI shield windows for TFT modules
- Capacitive & Membrane switches

Panel PC's & HMI

- Industrial displays & panel PCs; medical & open frame panel PC
- Industrial multitouch panel PCs, displays & touch monitors
- Form-fit function replacements for outdated or discontinued monitors
- Harsh-and extreme environment panel PCs & HMI
- ATEx-certified panel PC's, displays & box PCs
- In-vehicle panel PCs
- E-paper public display and healthcare IoT solutions
- Military Panel PC

Flash & Solid State Drive Solutions

- SATAIII 2,5"/ M.2/ mSATA SSD's
- PCIe® Gen3/4 NVMe M.2/ U.2/ E1.S SSD's
- FIPS certified PCIe/ SATA solutions
- TSE storage solutions
- USB Flash modules/ PATA Flash modules
- MMC/SD/ uSD/ SDHC/ SDXC Cards

DRAM Modules

- DDR5
- DDR4
- DDR3
- DDR2
- DDR
- SDRAM

LINECARD & KEY PARTNERS   EMBEDDED SYSTEMS, AI & EDGE COMPUTING

STAY IN TOUCH

Let's connect

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- Wireless embedded connectivity & sensors
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- LED & Solid State Lighting
- Power & EMC
- Embedded systems, AI & Edge computing

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MEETS INNOVATION

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