

### 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

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#### 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.

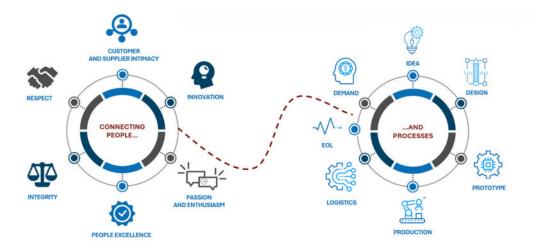
#### The human touch

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.

#### 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
- ...



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

## **MARKET SEGMENTS**



A/V BROADCAST



AUTOMOTIVE



IIOT & INDUSTRY 4.0



LIFE SCIENCES & HEALTHCARE



MOBILE & WEARABLES



T&M AND INSTRUMENTATION



AEROSPACE & MIL



(RENEWABLE) ENERGY & UTILITIES



IN-VEHICLE COMPUTING



AGRICULTURE



GEOGRAPHIC TECHNOLOGY & MINING



INDUSTRIAL AUTOMATION & ROBOTICS



MACHINE VISION & IMAGE PROCESSING



PUBLIC SAFETY



ARTIFICIAL INTELLIGENCE & EDGE COMPUTING



HOME & BUILDING AUTOMATION



INFRASTRUCTURE & CONSTRUCTION



MARINE



REMOTE MONITORING & CONTROL



LOGISTICS & SUPPLY CHAIN



POWER & ENERGY MANAGEMENT



TRAFFIC & TRANSPORTATION

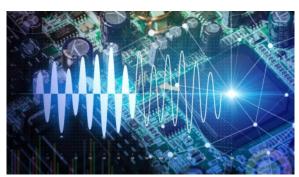
# Components selection is one of the most crucial and challenging aspects of the electronic system design

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



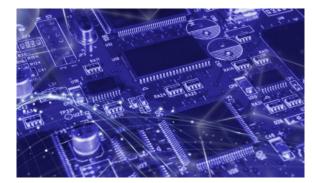
#### Analog, mixed signal & sensor ICs

- 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, PCle
- 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



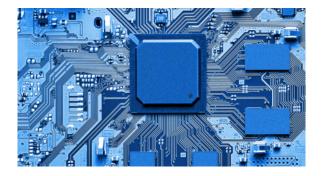


#### Microcontroller, microprocessors

- 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
- loT 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, I<sup>2</sup>C, 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

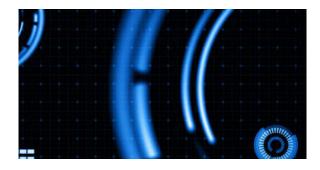
- Silicon, InGaAs & GaAs photodiodes
- Laser diodes-detectors, emitters, high power pulsed, InGAAs APD/PIN modules &, modules
- (Customized) Light sensing solutions
- Opto couplers



## 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



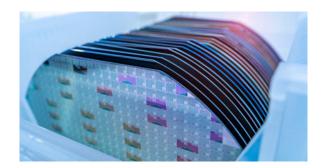
#### PoE power management modules

- 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



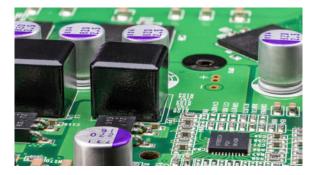
#### LINECARD & KEY PARTNERS SEMI, POWER MANAGEMENT, MODULES & DISCRETES

A 3PEAK	Memory IC's and More	Â,	<b>ä Bridgetek</b>	Central Semiconductor Corp.	CHIPANALOG	Cologne Chip
DAPU	EPSON* EXCEED YOUR VISION	Chip	GigaDevice	<b>Golledge</b>	GO₩IN	HOLTEK
	kinetic technologies	mes	ηυνοΤοη		Electronics	
	SENSYLINK	SILICON LABS	Silvertel	<b>Si</b> Time <sup>.</sup>	Valens	?WTL

## Passive, electromechanical, connectors & cooling

#### **Capacitors & resistors**

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



Polysurg ESD suppressors, varistors-MLV/MOV/MOVTP/MOVGT, automotive rated

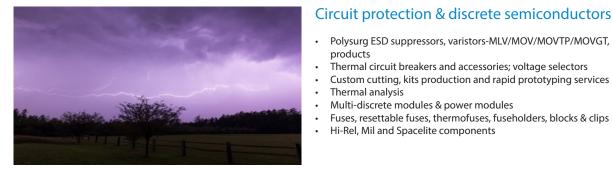
Thermal circuit breakers and accessories; voltage selectors

Multi-discrete modules & power modules

Hi-Rel, Mil and Spacelite components

Custom cutting, kits production and rapid prototyping services

Fuses, resettable fuses, thermofuses, fuseholders, blocks & clips



#### 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 ٠
- . 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

products

Thermal analysis

- 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-mPCle, M.2, mPCl, MXM, SO DIMM, SIM Card, COMe, cPCl, 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

	ATTEND		FAT•N	n Elec & Eilek 版制交通	ept	FUANTRONICS
	нтк	INRCORE	Jamicon Ralec Teapo (ASJ)	LinkCom LinkCom Manufacturing Co., List.	<b>Li</b> Poly <sup>®</sup>	NE Compositions Gorp.
S.SCHURTER	<b>SRX</b> tronic	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



#### 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

#### 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





#### 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 CO2 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





## LINECARD & KEY PARTNERS

#### 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

### WIRELESS EMBEDDED CONNECTIVITY & SENSORS



### 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 Al-

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
  - 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**



### Leading the Way in Innovative Display Technologies

What's trending in display technology?

**DISPLAY & TOUCH** 

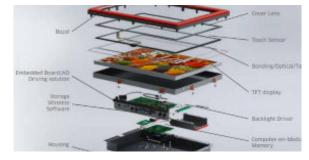
At Alcom electronics, we are at the forefront of providing cutting-edge display, touchscreen, and HMI solutions. We supply a complimentary range of products, including ICs, AD boards, touch monitors, ePaper, and open frame displays, catering to the diverse needs of our clients. Our premium touch display 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**



#### 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



#### 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



#### LINECARD & KEY PARTNERS

#### e-Paper - OLED - VFD - LCM

- Standard & customized monochrome character/graphic icon LCD
- Intelligent displays with RS-232, SPI and I<sup>2</sup>C
- VFD displays and modules
- OLED graphic and character display modules
- Mono and color ePaper displays up to 75"
- Controller boards and embedded system solutions



#### **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



#### 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

#### **DISPLAY & TOUCH**

Allir	APEX	AUO Display+	BONA FIDE	CiVUE	Crystal Clear Technology Eds Bhd	DATA IMAGE
DISPLAY INDUSTRIAL SOLUTIONS VISIONS	Eink.	F 睿守 UTUREFOCUS	INNOLUX	Noritake-	<u>on</u>	RockTouch
	Top Display Optoelectronics	<b>™</b> TIANMA	<u><b>Jes</b></u> Optoelectronics			

# 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



# 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 conversion & batteries



#### 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



Open frame, enclosed, encapsulated, board mount, din rail, rack mount, HiRel and

External plug-in adapters; desktop, wall-mount, flush-mount and USB power

Industrial, ITE, household, gaming, medical, MIL, aero- approved power

Standard/modular/configurable & customer-specific power Military power systems-rackmount, VPX, configurable



#### **DC/DC converters**

MIL-COTS

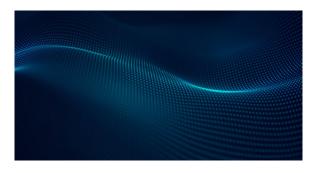
supplies

LED power

- 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





- Primary batteries: non rechargeable
- Li-MnO<sub>2</sub>, LI-SOCI<sub>2</sub>, alcaline, Nikel Zinck
- Secondary batteries: rechargeable
- NI-MH, Li-ion Li-Poly, LiFePo<sub>4</sub>, Zinc carbon
- (Custom) Battery packs & battery management systems
- Driving solutions for e-mobility

- 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



#### 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

Transformers

Toroidal transformers

Planar transformers

PCB & flat laminated transformers AC/DC power modules for PCB mounting Single/three-phase mains transformers

Linear, telecom, audio transformers

Water cooling ultra large size reactors Ultra large size power transformers/reactors

- 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

	Astrodyne	Conea	FAT•N	₴₴ Elec & Elek IF N 및 H	<b>EVE</b> Energy	FRIWO
Pro cacco	FUANTRONICS	INRC@RE	LinkCom Lindon Manufating Ca., US.	♦ MINMAX <sup>®</sup>	ספת	N2Power
AN NetPower	renata batteries		SynQor	TAMURA	<b>ÖTPEG</b>	VOXPOWER

#### **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
- Al edge computing modules & boxes
- Raspberry Pi replacements
- · Open standard modules, starter kits, evaluation and carrier boards



#### 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



#### Embedded I/O expansion modules & systems

- Data acquisition, digitizers, GPIB
- CAN, CAN FD and LIN fieldbus communication
- Bus converter modules

PICMG

- Analog output, digital & remote I/O modules
- Digital & analog for test, measurement and manufacturing

Industrial & embedded motherboards

3,5"-5,25" SBC, PC/104 & PC/104+, EPIC, Pico-ITX, ATX Thin Mini-ITX, Mini-ITX,

Single Board Computers - SBC's, supporting multiple wireless interfaces

Chassis/backplane/power supplies, peripherals & accessories

Controllers and distributed I/O with integrated Codesys control





#### 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
- Al Smart camera, vision system & Al vision software
- Compact-integrated PC systems with flexible expansion





#### Motion/motor control

Motion control & I/O

Smart camera

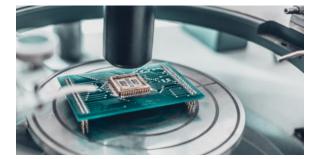
Al smart & embedded vision camera

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

AR/VR and XR digital wearable products/smart tracking solutions

#### PXI products

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





#### 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 ٠
- 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
- PCle® 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

		ARBOR	Arestech Enterliefen 1 Auftenziefen Bonations	ASUS IoT		<b>Evalue</b> Technology Inc.
Congatec	<b>U Helectronics</b> View Optial Herrory.	DIGI	ENGICAM	Geniatech		.PEAK System
	SEALEVEL	SRXTRONIC	TAICEM	ŢĮ	Transcend <sup>®</sup> good memories start have	Vecow

## **STAY IN TOUCH**

#### Let's connect

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Find out all about the latest innovations, advanced technologies and future roadmaps via your personal Alcom contact person and subscribe on our website: www.alcom.be & www.alcom.nl for one or more of our (bi-)monthly newsletters fit to your interests.





#### **Tips 4 Designers**

Stay ahead in electronic design with expert insights tailored for R&D engineers by specific topics. Each edition covers the latest innovations:

- Electronic component solutions
- Wireless embedded connectivity & sensors
- Boxed wireless & industrial controls networking
- Displays & touch
  - LED & Solid State Lighting
  - Power & EMC
- Embedded systems, AI & Edge computing

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WHERE EXPERTISE MEETS INNOVATION

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