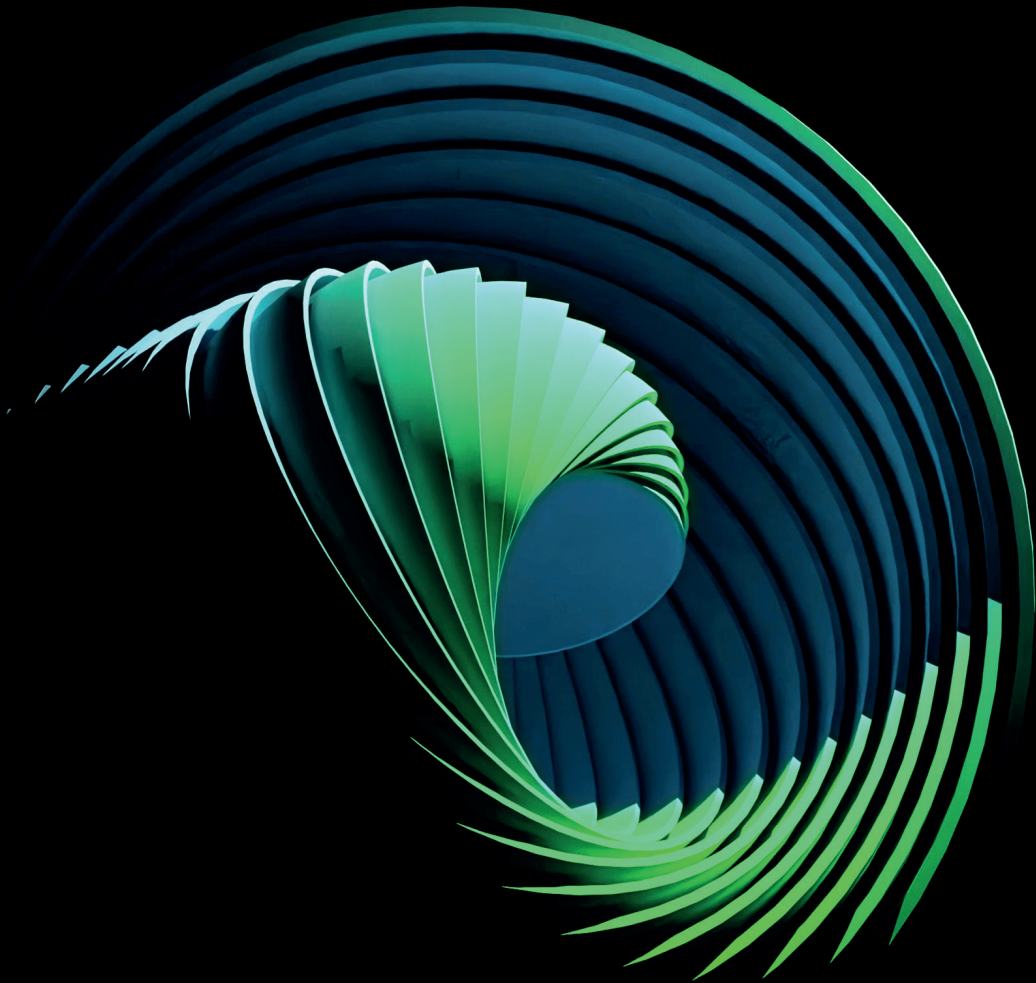




/ A VITAL COMPONENT OF YOUR SUCCESS

A truly EMEA footprint

- Your dedicated technical IP&E (interconnect, passives and electromechanical) distributor
- Complementary offering of energy storage, power supplies, sensors and wireless
- 100+ pan-European franchises
- Selected local agreements
- 49 offices in 27 countries
- 50+ field application engineers based across Europe
- 125+ account managers

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[illegible]

CONNECTORS

[illegible]

	Temperature							Pressure		Gas and liquid							Position and motion										Current	Optical	Sound	Image									
	NTC	PTC	RTD	Digital IC	Thermal reed switch	IR thermopile	Thermocouple	Pressure	Force, load, torque and tension	Humidity	VOC and CO ₂	Dust	Flow	Liquid level, leakage, bubble	Fluid property	Heaters, IR emitters	Accelerometer, vibration and shock	Inclinometer and gyro	Geomagnetic	GMR, AMR and TMR	Inductive transducer, LVDT, RCDT, resolver	Speed	Capacitive touch	Resistive (potentiometers)	Optical encoder	Magnetic encoder	Photoelectric, fiber optic, LASER	Ultrasonic	Passive Infrared (PIR)	Light convergent reflective	Magnetic proximity (reed, Barkhausen, hall)	Current	Sunlight, ambient light and colour	Pulse oximetry (SpO ₂)	Microphone	LIDAR	Human vision		
Abrakon	•																																						
Alps Alpine							•	•	•										•	•				•		•													
Amphenol	•	•				•		•		•	•	•		•	•	•						•		•		•						•	•	•					
Bourns							•			•														•	•	•													
Bulgin																																•							
CTS	•		•	•			•					•	•	•						•		•				•	•					•	•						
Eaton	•	•																																					
Grayhill																									•	•						•							
Harvatek																											•						•						
Hirose																																•							
Innovative Sensor Technology			•	•				•	•			•			•	•																							
Italcoppie	•		•				•																																
KEMET					•						•						•												•				•						
Kingstate																																					•		
Kyocera AVX	•		•				•						•								•	•		•		•						•							
Molex	•																				•						•												
Murata	•	•					•	•		•							•	•		•								•	•										
NIC	•																																						
Nidec Components							•						•											•	•														
Omron			•		•		•		•	•		•					•						•				•			•				•		•		•	
Panasonic	•				•		•				•		•				•	•			•			•			•		•										
Phoenix Contact			•				•	•	•	•		•	•				•												•				•	•					
PUI Audio																											•										•		
Pulse																																•							
Qinlon																												•											
TDK (inc InvenSense)	•	•					•		•				•				•	•	•	•		•					•						•			•			
TE Connectivity	•		•	•		•	•	•	•			•	•	•			•	•		•	•			•		•	•	•			•	•		•	•	•			
Vishay	•	•	•																					•		•													
Yageo	•	•																																					

AC-DC power supplies

AC-DC power supplies	AC-DC Power Supply Features and Applications																					
	Enclosed case panel mount	Open frame + U-frame with case/fan	Configurable - Modular	DIN rail mount	Adapters and External Desktop (+ medical)	Board mount + Chassis mount	Brick type board mount	Conduction/Convection cooled/Fanless	CRPS-DataCenter Front end-Rectifier	Higher Output Voltage 100-400Vdc	High Power Industrial/Telecom	Medical EN60601-1 certified	Household EN 60335-1 certified	Battery chargers VRLA/Li-Ion/LiPo/LiFePO4	Battery Chargers USB Type A, Type C	Battery Chargers Smart High Power	PoE Power over Ethernet	LED drivers Standard CC, CV, CP, CV-CC	LED Drivers + Bluetooth - KNX - DALI	LED Sport Arena - Parking - Boulevard-City Square	LED RDL Retail Display Lighting - Refrigerator - Dispensor	LED drivers for Agro/Horti Culture
Aimtec	●	●		●	●	●						●	●		●		●	●				
Advanced Energy		●	●	●	●	●	●	●	●	●	●			●	●	●	●	●				
Bel Power	●	●		●	●				●	●		●	●	●		●	●					
CUI Inc					●																	
Delta Power Solutions	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●
Egston - Pulse					●							●	●	●	●							
Murata Power		●				●		●	●	●	●	●	●					●				
OmniOn Power		●							●	●	●	●					●					
Vicor			●																			
XP Power	●	●	●	●	●		●	●		●	●	●	●		●							

DC-DC Conversion

[illegible]

/ BATTERIES

	Primary							Rechargeable							
	Zinc carbon	Alkaline manganese	Silver oxide	Zinc air	Lithium manganese dioxide	Lithium iron disulfide	Lithium thionyl chloride	Lithium poly-carbon monofluoride	Sealed lead acid	Nickel metal hydride	Lithium ion	Lithium polymer	Lithium vanadium pentoxide	All-ceramic multilayer	Chargers and power adapters
AE Power															•
Delta															•
Energysys									•						
GP Batteries	•	•	•		•	•				•	•				
Molex	•														
Murata		•	•		•						•				
Nichicon											•				
Panasonic	•	•			•			•		•	•		•		
Procell (Duracell)		•			•										
RRC											•				•
Tadiran							•				•				
TDK														•	
Varta		•	•	•	•	•				•	•	•			
Wamtechnik									•	•	•				
Eve Energy					•		•				•	•			
Shenzhen Bak Technology Co., Ltd.											•	•			
Wuhan Fanso Technology Co., Ltd.					•		•								

	Wireless Modules												Antennas													
	RFID passive tag	Bluetooth	Zigbee, Thread	Wirepas	WiFi	Sigfox	LoRa	LPWA (LTE-M, NB-IoT)	LTE, 4G, 5G	V2X	Ultra wideband (UWB)	Satellite navigation (GNSS, GPS)	NFC	RFID	169 Mhz	Sub-Ghz ISM	Bluetooth, Zigbee, Thread	WiFi	2G, 3G, 4G	5G	LPWA (LTE-M, NB-IoT)	AM/FM/DAB Radio	Ultra wideband (UWB)	Satellite navigation (GNSS, GPS)	Distributed Antenna Systems (DAS)	Vehicular, outdoor multiband
Abracon	•												•	•	•	•	•	•	•	•	•	•	•	•	•	•
Amphenol																	•	•	•		•			•	•	
FCL Fujitsu		•		•																						
Kyocera AVX							•										•	•	•	•	•	•		•	•	•
Molex	•												•				•	•	•	•	•	•		•	•	•
Murata	•	•		•	•	•	•	•			•			•												
Panasonic Industry		•	•	•	•																					
Pulse													•		•	•	•	•	•	•	•	•	•	•	•	•
Taiyo Yuden																	•	•					•	•		
TDK													•	•		•	•	•							•	
TE Connectivity (incl. Laird, Linx)														•	•	•	•	•	•	•	•	•	•	•	•	•
Vishay																	•	•							•	
Yageo																•	•	•	•			•			•	

Avnet Embedded builds embedded compute, display and software solutions that meet the demand for innovation and quality, with reduced time to market, utilising Avnet Embedded's platform technologies, design and manufacturing capabilities, and a world-class team of experts.

As a distributor of Avnet Embedded solutions, Avnet Abacus works closely with the Embedded engineering teams to support requirements with its innovation solutions across three key areas: Compute, Display and Software.

Find out more about Avnet Embedded's capabilities and solutions below, or if you would like to speak to an expert about how we can help with your Embedded requirements, visit avnet-abacus.eu/ask-an-expert

Core solutions

Compute

From an award-winning range of standard compute-on-modules and system-on-modules to full custom computing hardware design, Avnet Embedded offers everything to get customers' products to market better, faster and stronger.

Display

The Display Innovation team works with the world's leading display and touchscreen component manufacturers and innovators worldwide. In turn, Avnet Embedded handles display design and integration for some of the world's biggest technology companies.

Software

As well as designing and manufacturing perfect hardware solutions, Avnet Embedded offers an unmatched capability when it comes to software. This experience means we can provide customers with access to cutting edge technology and vast knowledge.

Services

Design

Avnet Embedded works with customers every step of the journey to design the perfect embedded solution for their product. Avnet Embedded product and solution design teams are covering: compute, software, displays, systems and HMI.

R&D

Avnet Embedded's skilled design engineers have many years of experience designing boards with high-end x86 and ARM CPUs as well as with fast memory technology and programmable devices (CPLD, FPGA).

Manufacturing

The Avnet Embedded product engineering, test development and production engineers work hand in hand to achieve optimised product quality. Avnet Embedded's sophisticated SAP-integrated MES and quality system ensures full traceability of products.

Assembly

Large, versatile assembly spaces can be engineered around the needs of your product, using efficient cell-based assembly processes and advanced robotics and production engineering to provide the highest possible quality at favourable costs.



/ AVNET ABACUS IoT SOLUTIONS

Go from IoT concept to value creation – with one partner to guide the way

New product features. New revenue streams. New service models. The IoT has the power to transform almost any business. But without the support of a partner with robust, end-to-end capabilities, it can be harder than it sounds to fully realise business outcomes.

That's because developing a solution and executing successfully at every stage of the process is complex.

You know Avnet Abacus as one of Europe's leading IP&E and connectivity specialists. And we know first-hand how these challenges can quickly derail an IoT implementation.

We're here to help with a complete set of end-to-end capabilities that includes:

- Avnet Abacus's IoTConnect solution. Based on the world-class Microsoft Azure IoT Suite, it's more than just a powerful PaaS platform. IoTConnect allows for device communication and management, data storage, app creation as well as enablement and robust security protocols
- A Business Analysis that will uncover and document your business needs and identify cloud applications to meet them
- Our team of software, hardware, and security engineers working to successfully deliver your IoT solution

Avnet Abacus' end-to-end IoT capabilities

Avnet Abacus IoT solutions

- Solution scoping
- Business case
- ROI

Design

- Edge design
- Technology selection
- Logistics

Cloud & digital

- IoT Cloud
- App Dev
- Data Insights

Lifecycle

- IoT Security
- Upgrades
- Post-sales support

Top challenges across IoT product development

Concept

Creating a compelling business case with a strong return on investment.

Design

Choosing the right IoT platform and edge devices with the right level of flexibility and design support.

Cloud & digital

Identifying and developing cloud applications that meet performance requirements and business needs.

Lifecycle

Ensuring end-to-end security to protect the data owned by you and your customers.

Wherever you are in your IoT journey, Avnet Abacus is ready to be your partner every step of the way to help you achieve success.

Are you ready to get started now? Please contact us at avnet-abacus.eu/ask-an-expert



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