



/ 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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/ PASSIVES

[illegible]

/ ELECTROMECHANICAL

	Switches										Relays						EMC Filters					Thermal management		Other											
	DIP	Push	Rocker, toggle and slide	Rotary	Tactile	Snap-action and detector	Multi control	Stainless steel, security and rugged	Keypads, keyboards and touch panel	Keylock	Reed	Circuit breakers	Signal	Automotive	Power	PhotoMOS	Solid state	Contactors	EMC Filter Chokes	Feed-Through Components/Filter	Noise Absorbers	IEC-Inlet-Filter	1-Phase Filters (Chassis and PCB Mounting)	3-Phase-Filters (Chassis and PCB Mounting)	DC Filter	AC, DC fans and blowers	Heatsinks	Thermal interface materials	Encoders	Potentiometers	Thermal printers	Enclosures, PCB hardware and accessories	Motors and actuators	Solenoids	
3M																												•							
Alps Alpine	•	•	•	•	•	•	•																							•	•	•		•	
Amphenol				•		•																								•	•				
Arcoelectric		•	•	•		•		•																											
Bourns		•		•	•																									•	•				
Boyd																										•	•	•							
Bulgin		•						•																			•	•	•					•	
CTS	•			•	•															•							•		•	•		•	•		
Delta																										•									
Diptronics	•		•	•	•	•	•																							•					
ebm papst																										•								•	
Ferroxcube																			•																
FCL Components												•	•	•			•															•			
Grayhill	•	•	•	•	•	•	•	•	•	•							•													•			•		
Harwin																																	•		
ITW Switches	•	•		•		•		•																											
Kemet																				•	•		•	•											
knitter-switch	•	•	•	•	•	•	•	•	•	•																				•					
Kyocera AVX																				•															
Laird																					•								•						
Molex									•																				•						
Murata																			•																
Nidec Components	•	•	•	•	•	•	•			•																	•			•	•			•	•
nVent Schroff																											•	•					•		
Omron	•	•	•		•	•							•	•	•	•	•	•																	
Panasonic		•	•		•	•	•						•	•	•	•	•	•									•			•	•				
Pheonix Contact		•							•		•	•	•	•	•		•	•		•			•	•	•	•	•	•	•	•	•	•	•	•	•
Schaffner																			•	•		•	•	•	•										
Schurter		•			•			•	•			•							•			•	•	•											
TDK																		•	•	•	•	•	•	•	•									•	
TE Connectivity	•	•	•	•	•	•	•			•	•	•	•	•	•			•	•	•	•		•	•	•	•		•			•	•			
Vishay																												•	•	•					

/ CONNECTORS

[illegible]

/SENSORS

	Temperature										Pressure		Gas, Liquid & Solid					Position & Motion										Electric	Optical																				
	NTC Thermistors	PTC Thermistors	Resistance Temperature Detectors	Thermocouples	Digital IC	Thermopiles	Pyrometers, Infrared Imaging Systems	Fiber Optic Temperature Sensors	Thermal Reed Switches	Pressure Transducers, Transmitters	Pressure Indicators, Gauges and Switches	Microphones	Force, Load, Torque, Tension, Strain	Humidity	Gases	Flow	Level Switches	Liquid Leak Detection	Conductivity	Soil	Fluid, Material Property	Potentiometers	Encoders	RVDT, RVIT, Resolvers	LVDT	Passive Infrared (PIR)	Photointerrupters, Photoreflectors	Magnetic ICs, Magnetometers	Acceleration, Vibration, Inclination	Gyroscopes, IMUs	Speed	Limit Switches	Inductive Proximity Sensors	Capacitive Proximity Sensors	Magnetic Proximity Sensors	Photoelectric Sensors	3D TOF Imaging	Ultrasonic Sensors	Safety Sensors and Switches	Safety Light Curtains	Current, Residual Current	Electrostatic, Fieldmeters, Voltmeters	Photodiodes, Photodetectors, Color Sensors	CMOS Camera Module / Human Vision					
Advanced Energy						•	•																																				•						
Alps Alpine									•			•	•									•	•					•													•								
Amphenol	•	•	•			•			•	•				•	•			•				•	•	•					•		•											•			•				
Bourns									•					•								•	•																										
Bulgin																																																	
Chemi-Con																																															•		
CTS	•	•	•	•																		•	•																				•						
Cyntec			•																																									•					
Eaton	•	•																					•																					•					
Grayhill																							•																										
Hirose																																												•					
Innovative Sensor Technology			•		•								•	•		•			•		•																												
Italcoppie	•		•	•										•																															•				
Kingbright																																															•		
Kingstate												•																																					
KOA		•	•																																														
Kyocera AVX	•		•						•												•	•		•								•		•	•														
Molex	•																																																
Murata	•	•							•			•	•		•					•								•	•	•								•					•						
NIC Components	•																																																
Nichicon		•																																															
Nidec Components									•	•								•				•	•						•																				
Omron						•			•																		•		•										•	•						•	•		
Panasonic Industry	•					•															•					•																							
Phoenix Contact																•																						•					•						
PUI Audio									•		•																																						
Qinlon																																												•					
TDK	•	•							•		•												•					•	•	•												•		•					
TE Connectivity	•		•	•	•				•				•	•		•	•					•	•	•	•	•	•		•	•	•	•		•	•	•	•			•					•				
Telemecanique Sensors									•	•							•																•	•	•	•	•									•			
Vishay	•	•	•																			•	•																										
Yageo			•				•																			•			•															•					

[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															•
Energys									•						
Eve Energy					•		•				•	•			
GP Batteries	•	•	•		•	•				•	•				
Molex	•														
Murata		•	•		•						•				
Nichicon											•				
Panasonic	•	•			•			•		•	•		•		
Procell (Duracell)		•			•										
RRC											•				•
Shenzen Bak Technology Co., Ltd.											•	•			
Tadiran							•				•				
TDK														•	
Varta		•	•	•	•	•				•	•	•			

AC-DC power supplies	AC-DC power supply features																					
	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 - Dispenser	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]

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

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

Find out more about Tria'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, Tria 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, Tria handles display design and integration for some of the world's biggest technology companies.

Software

As well as designing and manufacturing perfect hardware solutions, Tria 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

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

R&D

Tria'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 Tria product engineering, test development and production engineers work hand in hand to achieve optimised product quality. Tria'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



AUSTRIA

Avnet EMG Elektronische
Bauelemente GmbH
Grünbergstraße 15/1/4.OG,
A-1120 Vienna
Phone: +43 (0)1 86642-0
Fax: +43 (0)1 86642-250
wien@avnet-abacus.eu

BELGIUM

De Kleetlaan 3
BE-1831 Diegem
Phone: +32 2 227 2000
diegem@avnet-abacus.eu

BULGARIA

48, Sitnyakovo Boulevard
Unit 1006, Floor 10,
BG-1505 Sofia
Phone: +359 896 135 069
bulgaria@avnet-abacus.eu

CROATIA

c/o Avnet Abacus Slovenia
Dunajska Cesta 167
SI-1000 Ljubljana
Phone: +386 (0)1 560 97 54
Fax: +386 (0)1 560 98 78
croatia@avnet-abacus.eu

CZECH REPUBLIC

Amazon Court Karolinska 661/4
CZ-18600 Prague
Phone: +420 234 091 011
Fax: +420 234 091 010
praha@avnet-abacus.eu

DENMARK

Knudlundvej 24, DK-8653 Them
Phone: +45 86 84 84 84
Fax: +45 86 84 82 44
them@avnet-abacus.eu

Marielundvej 41, 2. Sal,
DK-2730 Herlev
Phone: +45 86 84 84 84
Fax: +45 43 29 37 00
herlev@avnet-abacus.eu

EGYPT

c/o Avnet Abacus Turkey
Tatlisu Mahallesi Pakdil
Sokak No: 7 Kat: 2
TR-34774 Umraniye Istanbul Turkiye
Phone: +90 216 52 88 370
Fax: +90 216 52 88 377
egypt@avnet-abacus.eu

ESTONIA

Suur-Jõe 63, Pärnu,
EE-80042 Pärnu Maakond
Phone: +372 56637737
paernu@avnet-abacus.eu

FINLAND

Klovinpellontie 1-3
Tower 1, Floor 6
FI-02180 Espoo
Phone: +35 820 749 9220
Fax: +35 820 749 9240
espoo@avnet-abacus.eu

FRANCE

Le Copernic
12, rue Jean Bart
FR-91300 Massy
Phone: +33 (0) 1 6447 2929
Fax: +33 (0) 1 6447 9150
paris@avnet-abacus.eu

6, rue Ariane
Bâtiment 3
FR-31520 Ramonville Saint Agne
toulouse@avnet-abacus.eu

16 C Rue de Jouanet
FR-35700 Rennes
Phone: +33 (0) 2 9983 7720
Fax: +33 (0) 2 9983 4829
rennes@avnet-abacus.eu

Parc Club du Moulin à Vent
Bat 10, 33 rue du Dr. G Lévy
FR-69693, Vénissieux Cedex, Lyon
lyon@avnet-abacus.eu

GERMANY

AVNET EMG GMBH
Kaiserin-Augusta-Allee 14
DE-10553 Berlin
Phone: +49 (0) 30 790 997 0
Fax: +49 (0) 30 790 997 51
berlin@avnet-abacus.eu

Industriestr. 16
DE-76297 Stutensee
Phone: +49 (0) 7249 910 149
Fax: +49 (0) 7249 910 177
stutensee@avnet-abacus.eu

Rhenus-Platz 2
D-59439 Holzwickede/Dortmund
Phone: +49 (0) 2301 2959 0
Fax: +49 (0) 2301 2959 29
dortmund@avnet-abacus.eu

Ursula-de-Boor-Str. 45
22419 Hamburg
Phone: +49 (0) 40 608 23 59 0
Fax: +49 (0) 40 608 23 59 20
hamburg@avnet-abacus.eu

Im Technologiepark 2-8
DE-85586 Poing
Phone: +49 (0) 8121 775 400
bayern@avnet.eu

Lina-Ammon-Str. 19 b
DE-90471 Nuernberg
Phone: +49 (0) 911 244 250
Fax: +49 (0) 911 244 25 25
bayern@avnet.eu

Neue Ramtelstr. 4
DE-71229 Leonberg
Phone: +49 (0) 7152 3009 70
Fax: +49 (0) 7152 3009 96
stuttgart@avnet-abacus.eu

Rotenburger Str. 20
DE-30659 Hannover
Phone: +49 (0) 5132 5099 0
hannover@avnet-abacus.eu

Otto-von-Guericke-Ring 13-15
DE-65205, Wiesbaden
wiesbaden@avnet-abacus.eu

GREECE

c/o Abacus Avnet Serbia
Milentija Popovića 5B,
Floors 6-8
Belgrade RS-11070
Phone: +381 11 4022302
Fax: +381 11 4049900
belgrade@avnet-abacus.eu

HUNGARY

c/o Avnet Abacus Slovakia
GreenPoint Offices,
Blok F Turcianska 2
SK-82109 Bratislava
Phone: +421 232 242 608
Fax: +421 2 32 1111 40
budapest@avnet-abacus.eu

IRELAND

c/o Avnet Abacus Bolton
Deakins Business Park
Blackburn Road, Egerton
Bolton BL7 9RP
+44 (0)1204 936400
abacus.bolton@avnet-abacus.eu

ISRAEL

1 Habrosh Street
Bney Dror IL-4581500
Phone: +972 9 778 0280
Fax: +972 3 760 0794
israel@avnet-abacus.eu

ITALY

Via Manzoni 44
IT-20095 Cusano Milanino/Milano
Phone: +39 02 660 921
Fax: +39 02 66092 332
milano@avnet-abacus.eu

Viale dell'industria 23
IT-35129 Padova
Phone: +39 049 7800 381
Fax: +39 049 7730 36
padova@avnet-abacus.eu

Via Scaglia Est. 31/33
IT-41126 Modena
Phone: +39 059 34891
Fax: +39 059 344 993
modena@avnet-abacus.eu

Via Panciatici 40/11
IT-50127 Firenze
Phone: +39 055 436 1928
Fax: +39 055 428 8810
firenze@avnet-abacus.eu

Via Tiburtina, 652/A
C/O Urban Places
IT-00159 Roma
Phone: +39 02 660 921
rome@avnet-abacus.eu

LATVIA

c/o Avnet Abacus Poland
Plac Solny 16
PL-50-062 Wroclaw
Phone: +48 71 34 205 99
Fax: +48 71 34 229 10
latvia@avnet-abacus.eu

LITHUANIA

c/o Avnet Abacus Poland
Plac Solny 16
PL-50-062 Wroclaw
Phone: +48 71 34 205 99
Fax: +48 71 34 229 10
lithuania@avnet-abacus.eu

NETHERLANDS

Stadionstraat 2, 6th floor
NL-4815 NG Breda
Phone: +31 (0) 76 57 22 300
Fax: +31 (0) 76 57 22 303
breda@avnet-abacus.eu

NORWAY

Olaf Helsetsvet 6,
NO-0694 Oslo
Phone: +47 (0) 94 89 53 73
oslo@avnet-abacus.eu

POLAND

Plac Solny 16
PL-50-062 Wroclaw
Phone: +48 71 34 205 99
Fax: +48 71 34 229 10
wroclaw@avnet-abacus.eu

PORTUGAL

Tower Plaza, Rot. Eng. Edgar
Cardoso, 23,Piso 14, Sala E
PT-4400-676 Vila Nova de Gaia
Phone: +351 223 779502
Fax: +351 223 779503
portugal@avnet-abacus.eu

ROMANIA

SkyTower Building, 12th floor,
Calea Floreasca 246C,
RO-014476 Bucharest
Phone: +4021 528 16 90
romania@avnet-abacus.eu

SERBIA

Milentija Popovića 5B, Floors 6-8
Belgrade RS-11070
Phone: +381 11 4022302
Fax: +381 11 4049900
belgrade@avnet-abacus.eu

SLOVAKIA

GreenPoint Offices,
Blok F Turcianska 2
SK-82109, Bratislava
Phone: +421 232 242 608
Fax: +421 2 32 1111 40
slovakia@avnet-abacus.eu

SLOVENIA

Dunajska Cesta 167
SI-1000 Ljubljana
Phone: +386 (0)1 560 97 60
Fax: +386 (0)1 560 98 78
ljubljana@avnet-abacus.eu

SOUTH AFRICA

Block 13, Pinewood Office Park
33 Riley Road Woodmead,
ZA-2191 Sandton, Johannesburg
Phone: +27 (0)10 447 0180
avnet-abacus-sales-southafrica@avnet.eu

SPAIN

NyN Tower, C/Tarragona
149-157, Floor 19
ES-08014 Barcelona
Phone: +34 (0) 93 327 85 50
Fax: +34 (0) 93 425 05 44
barcelona@avnet-abacus.eu

Avenida Madariaga 1
Floor 3
ES-48014 Bilbao
Phone: +34 (0) 94 457 00 44
Fax: +34 (0) 94 456 88 55
bilbao@avnet-abacus.eu

Ronda de Poniente
(pq Empresarial Euronova),
4 - 2ª Planta, tres Cantos,
28760, Madrid
madrid@avnet-abacus.eu

SWEDEN

Avnet Nortec AB
Hemvärnsgatan 9
SE-171 54 Solna
Phone: +46 (0)8587 462 00
Fax: +46 (0)8587 460 01
stockholm@avnet-abacus.eu

Smörhålevägen 3
SE-43442 Kungsbacka
Phone: +46 (0)8 58746 200
Fax: +46 (0)300 140 15
gothenburg@avnet-abacus.eu

SWITZERLAND

Bernstrasse 394
CH-8953 Dietikon
Phone: +41 (0)43 322 49 90
Fax: +41 (0)43 322 49 99
zurich@avnet-abacus.eu

TURKEY

Tatlisu Mahallesi Pakdil
Sokak No: 7 Kat: 2
TR-34774 Umraniye Istanbul Turkiye
Phone: +90 216 52 88 370
Fax: +90 216 52 88 377
istanbul@avnet-abacus.eu

UK

Building 5, Waltham Park
White Waltham
Maidenhead Berkshire SL6 3TN
Phone: +44 (0)1628 512900
Fax: +44 (0)1628 512999
abacus.maidenhead@avnet-abacus.eu

Deakins Business Park
Blackburn Road, Egerton
Bolton BL7 9RP
+44 (0)1204 936400
abacus.bolton@avnet-abacus.eu

UKRAINE

c/o Avnet Abacus Poland
Plac Solny 16
PL-50-062 Wroclaw
Phone: +48 71 34 205 99
Fax: +48 71 34 229 10
ukraine@avnet-abacus.eu