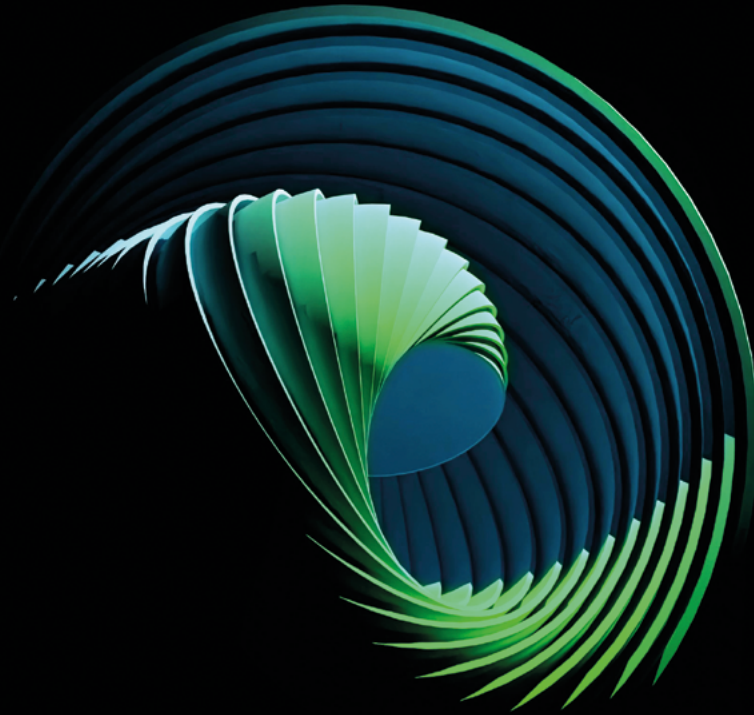
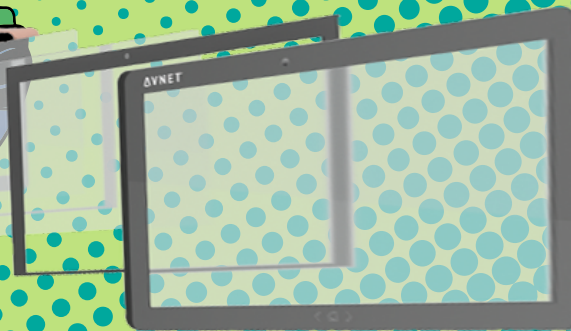
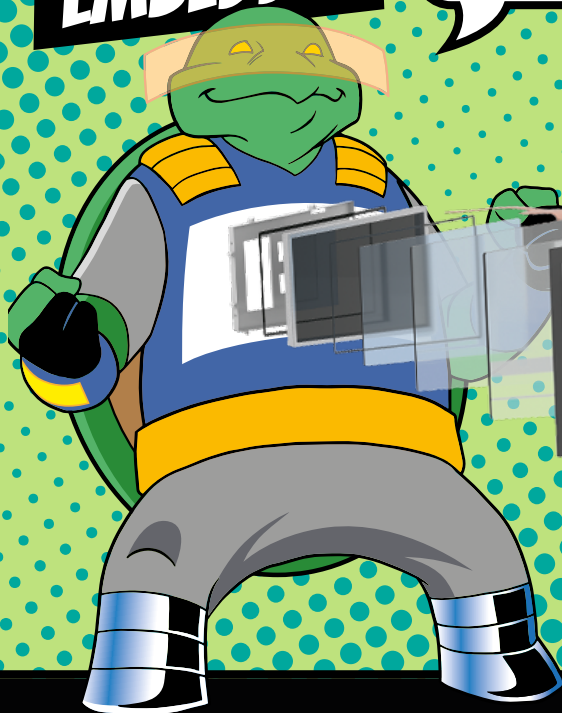




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EMBEDDIX**

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BOARDS AND EVERYTHING
THAT YOUR HEART DESIRES
FROM AVNET EMBEDDED.



/ EMBEDDED BOARDS & DISPLAY SOLUTIONS
LINECARD

OCTOBER 2024

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- Your dedicated technical IP&E (interconnect, passives and electromechanical) distributor
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- Selected local agreements
- 49 offices in 27 countries
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- 125+ account managers

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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.



	Industrial Motherboard						Semi-Industrial Motherboard		Single Board Computer SBC		Rugged Tablets			Semi Rugged Tablets	Panel PC				Medical Panel PC	Embedded Systems								AI Solutions		
	Pico-ITX	Thin-ITX	Mini-ITX	Micro-ATX	ATX	NUC	Mini-ITX		1.8	3.5	8"	10"	12"	Small Size	Open Frame	Small Size 7"-10"	Mid Size 12"-19"	Large Size 20"	>20"	IOT Gateways	Compact Systems	Expandable Systems	Transportation Systems	Embedded NUC Systems	Digital Signage Systems	Medical Systems	DIN-Rail Systems	AI Accelerators	AI SBC's & Dev Kits	AI Edge Systems
Advantech	•		•	•	•					•										•	•			•				•	•	•
A SRock Industrial						•																		•						•
Asus IoT	•	•	•		•	•	•	•	•	•										•	•	•	•	•				•	•	•
Avalue Technology Inc.	•	•	•	•	•				•	•				•	•	•	•	•	•		•			•						
GigalPC	•		•	•		•				•											•	•		•	•		•			•
Engicam																				•										
IEI																				•		•				•	•	•		•
Kontron	•	•	•	•	•																									
Lanner																														
MSI												•																•		•
MSI Rugged											•	•	•																	

- **Technology Focus**
x86 and Arm®
- **Platform**
Re-use in custom boards and systems
- **Flexibility**
Best-in-class rapid customization
- **Support and Service**
Sensitive design partner to customer
- **Open Standards Executive Member**
Leading PICMG and SGeT innovator

/ AVNET EMBEDDED COMPUTE

	OSM		COM HPC		COM Express		SMARC		Qseven		nano RISC	
	Modules	Modules	Carrier Boards	Starter Kits	Modules	Carrier Boards	Modules	Carrier Boards	Starter Kits	Modules	Carrier Boards	Starter Kits
AMD					•		•					
Intel		•			•		•		•			
NXP	•						•		•		•	
Renesas	•						•					
TI	•						•				•	
Xilinx							•					
Avnet Embedded			•	•	•		•	•		•	•	•
ST	•						•					

/ AVNET EMBEDDED STRATEGIC PARTNERS







X86 and Arm® Partners



Software Innovation*






BPS Focus



BIOS Partners




Technology Community




Standardization Groups

*Market leading in-house embedded software team

/ DISPLAY SOLUTION

	TFT			LCD / Monochrome			E-Paper			Monitore		
	Standard	Semi Custom	Full Custom	Standard	Semi Custom	Full Custom	Standard	Semi Custom	Full Custom	Standard	Semi Custom	Full Custom
Ampire	•	•	•	•	•							
AUO	•									•		
AV Displays	•	•	•	•	•	•						
BOE	•	•										
DMC	•			•						•		
Evervision	•	•		•	•							
GeneralTouch Technology	•	•								•		
GET	•	•		•	•					•	•	
HannStar	•	•					•	•				
Innodisplay Solution	•									•		
Innolux	•											
JDI / KOE	•	•		•	•							
Kyocera	•	•								•	•	
LG Displays	•									•		
LITEMAX										•		
Microtips Technology	•			•	•		•	•				
Mildex	•	•										
Pervasive Displays INC.							•	•				
Powertip	•	•										
RCL Display Limited	•			•	•	•						
Sharp	•									•	•	
Shenzhen Jinghua Displays	•			•	•					•		
Tianma	•											
U.R.T	•	•	•	•	•	•						
Winstar	•	•		•	•	•						
WSI WiseChip Semiconductor	•			•	•	•	•					
Xinli	•	•		•	•		•	•				
Yeebo Display	•			•	•	•	•	•		•	•	

DISPLAYS:

- All major display manufacturers
- Off-the-shelf or full custom
- Components or complete assemblies
- In-house display design experts
- Touch integration
- Environmental design
- All shapes, sizes and specifications

/ 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 solutions. 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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