



ENDRICH CONNECTIVITY MODULE SUPPLIERS

Wireless data transfer like audio, video, control messages or monitoring the status of devices are all possible through different protocols in different wireless technologies. At endrich we provide the most important solutions for wearable applications and smart products.

We at endrich have a strong focus on smart and wearable products.

The high demands of consumers are constantly changing, so products and ideas have to be constantly developed further. There are several limitations especially for smart products or wearables where special requirements are needed. These limitations may be just in size or form factor but can also be related to specific technologies or protocols or even partly or fully customized products. Our strong relations with our suppliers, coupled with our competence in logistics, enable us to take a holistic approach in delivering the best-fitting solutions. This, in turn, allows you to focus on your core strengths.

APPLICATIONS:

- Headphones & hearing aids
- Smart watches
- Smart glasses
- Wireless thermostats
- Wireless remote smart home



Shenzhen Feasycom Technology Co., Ltd.:

- Founded 2013 in Shenzhen
- Wide range of product lines for WiFi, RFID BLE Mesh, Audio and Direction finding
- One-stop overall solution services
- 24/7 technical support

Panasonic Industry Europe GmbH:

- Established in 1918 European product & support
- Located in Lüneburg, Germany with production in Slovakia
- Best support for WiFi, BLE mesh, audio and direction finding
- Built to last: <1 ppm failure rate

Neocortec A/S:

- Based in Copenhagen Denmark
- Patented software protocol with no additional costs
- Extremely reliable AD-HOC mesh network
- Ultra-low power consumption & easy integration

Module Types:

- Bluetooth modules (Classic, LE up to v5.3)
- WLAN modules (IEEE 802.11, b, g, n, ac, ax)
- Bluetooth and WiFi combo modules.
- ISM band modules

ENDRICH CONNECTIVITY ANTENNA SUPPLIERS

2J Antennas, s.r.o.:

- Located in Slovakia since 2002
- Up-to-date production facility and measurement chambers
- Competitive pricing & short delivery time
- Covering all common wireless technologies with > 500 antennas off the shelf

Inpaq Technology Co., Ltd.:

- Established in 1998 in Taiwan
- More than 5 Factories and 22 measurement chambers
- Deeply customized or standard solutions for antennas and WPC
- Covering all common wireless technologies







Antenna Types:

- Ceramic Patch
- Helix
- SMD type (Ceramic, LDS, FR4)
- External antennas (Screw mount, adhesive mount, magnetic mount, ...)
- Metal stamp
- Flexible PCB type
- LDS customized with multiple technologies

Wireless Power Charging & NFC:

- Coils
- Coils + Ferrite
- Coils + Ferrite + customized plastics molding

ENDRICH CONNECTIVITY TIMINGS SUPPLIERS

SiTime Corporation:

- Biggest MEMS oscillator manufacturer in the world
- Head office in USA
- Worldwide support
- MEMS oscillators (XO, TCXO, OCXO)
- MEMS RTC
- Small footprint 1.2 mm2 CSP
- Ultra-low power from <1 µA
- Robust clocking solutions
- Low jitter < 0.5 ps RMS







Ctizen Finedevice CO.,LTD.:

- Headquarters in Japan
- Crystal Units expert since 60+ years
- Integrated production system from crystal chip to finished products in one house. (full production flow)
- High precision up to ±5ppm
- Small package down to 1.6 x 1mm
- Broadest product portfolio of kHz / tuning fork quartzes

Model	Package	Dimension	Frequency range	Operating Temperature Range	CM130	-	_	L:7.0 W:1.5		32.768	-40°C ~ +85°C
		(Max.mm)	(kHz)					H:1.4			
CM315D	=	L:3.2 W:1.5 H:0.9	32.768	-40°C ~ +85°C	CM415			L:4.1			
CM315DL						The second second second		W:1.5 H:0.9		32.768	-40°C ~ +85°C
CM315H				-40°C ~ +125°C				L:2.0			
CM315E	•	L:3.2 W:1.5 H:0.9	32.768	-40°C ~ +85°C	CM2012H	=		W:1.2 H:0.6		32.768	-40°C ~ +85°C
CFS-145	9	Φ:1.5 H:5.1	32.768	-20°C ~ •70°C	CM1610H			L:1.6 W:1.0 H:0.5		32.768	-40°C ~ +85°C
CFS-206		Φ:2.0		-20°C ~ +70°C	HC-49 /	1111	L:11.5				
CFV-206		H:6.2	32.768	-20°C ~ +70°C	U-S	00		W:4.66 H:3.5		~ 50.0	-20°C ~ +70°C
CMR200T	10	Φ:2.0 H:6.1	32.768	-40°C ~ +85°C	НСМ49	9	W:4.	L:11.4 W:4.7 H:4.3		~ 50.0	-40°C ~ +85°C
CMJ206T		L:8.6 W:2.7 H:2.4	32.768	-40°C ~ +85°C	CS325S	-	W:2.	L:3.2 W:2.5 H:0.6)~54.0	-40°C ~ +85°C

ENDRICH CONNECTIVITY TIMINGS SUPPLIERS

Chequers Electronic (China) Ltd.:

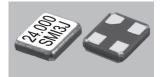
- Chequers Electronic (China) Ltd.:
- Headquarters in Hong Kong
- High quality quartzes, oscillators, resonators, duplexers and filters
- Free samples and circuit design verification
- Competitive pricing

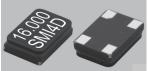




SMI INC.:

- Head office in Japan
- Specialized in crystal quartzes and oscillators

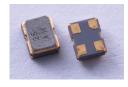


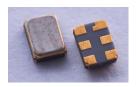




Tai-Saw Technology Co., LTD.:

- Headquarters Taiwan (est. 1997)
- SAW, TC-SAW / BAW, FBAR devices: RF filter, IF filter, resonator, duplexer, sensor
- Oscillator: XO, VCO, VCTCXO, VCXO, TCXO, OCXO
- Design, modeling, processing & handling, RF circuit design, RF testing







OUR BENEFITS:

- Local support
- Free consulting for best wireless technology selection
- Rapid prototyping, layout review and measurements
- Standard products vs. customized solutions
- Holistic system solutions for wide range of products
- Various Logistics arrangements possible
- Long lifecycles and high-quality standards

Endrich is a trusted partner since 1976