

# LINE CARD

## FRANCHISED LINES

### COMPONENTS

#### SEMICONDUCTORS

	Power & Battery Management PMICs, DC/DC Converters, LED Driver ICs, Energy Measurement & Electricity Metering ICs, ESD Protection & Protection Switch ICs, Ambientlight & Proximity Sensors, Timing & Microprocessors.
	Energy Harvesting PMICs, Photovoltaic, Radio Frequency, Thermal, Vibration, Low power MCU.
	Organic indoor/outdoor light energy harvesting modules (LEHs).
	Low Power SRAM, Fast SRAM, LED Driver ICs, LED Lights.
	DDR1, DDR2, DDR3, Mobile DDR, Synchronous SRAMs & DRAMs, Low Power & Fast Asynchronous SRAMs, New Flash generation.
	Diodes & Rectifiers, Protection Devices, JFETs & MOSFET Transistors, Thyristors, Multi Discrete Modules.
	Power Magnetics, LED Transformers, EMI & RFI Filters, LAN & COM Magnetics, DC/DC Converters.
	Transformer Products, Inductor Products, Filters.
	Bandpass & Crystal Filters, Crystals, Oscillators, Resonators, Synchronization Modules, Antennas.

### COMPONENTS

#### DISPLAYS

	Capacitive (P-CAP) & Resistive Touch Panels & Touch Controllers, Touch-Display Solutions, Multitouch, Security/Waterproof Solutions up to 23".
	HMI Embedded Solutions, Touch-Display Solutions, TFT LCD Display Panels, COG & VATN/PBT & Graphics & Character LCD Modules, FS-LCDs.
	Touch-Display Solutions, TFT LCD Display Panels, Display Controllers & Interfaces, Backlight Drivers, Sunlight readable TFT LCD Enhancements, Capacitive (P-CAP) Touch Panels, Optical Bonding, Customized Displays, OLED Displays, Memory LCD.
	Touch Display Solutions, TFT LCD Display Panels (2.8" to 24.6"), Bar Cut TFT Panel, Graphics & Character LCD Modules, Customised Displays, OLED Displays.
	Touch-Display Solutions, TFT LCD Display Panels (2.4" to 15.6"), TN & STN & HTN LCD Displays, Graphics & Character LCD Modules.
	Touch-Display Solutions, TFT LCD Display Panels (1.8" to 10.1"), COG & Graphics & Character LCD Modules.
	Touch-Display Solutions, Customized Displays, Graphics & Character LCD Modules, ChLCD Modules.
	Customized Displays, Graphics & Character LCD Modules.
	Printed ultra-low power E-Paper Label-Displays, Segmented cut-out shape Displays & Color labeling Solutions.

### CYBERSECURITY

#### HARDWARE SECURITY SOLUTIONS

	Hardware-encrypted USB, HDD & SSD from 8 GB up to 20 TB. FIPS 140—2 Level 3 certified, AES-XTS 256-bit encryption with built in anti-virus & remote management ready.
	Hardware-encrypted flash drives (USB, SSD & HDD) up to 20 TB, Anti-virus and port blocker software and tools to manage, control and audit your drives remotely.
	External hardware-encrypted storage devices that can be fully and easily integrated into existing PKI systems. Decryption with PIN and smart card. Approved by the BSI up to level NATO-Restricted or VS-NfD. SSD, HDD, and USB sticks up to 16TB.

#### What we do?

We translate your needs into high-level electronic solutions. Our product portfolio includes high-quality electronic components, IoT communication modules and technology for test & measurement, as well as engineering and developing software. We represent the world's leading manufacturers, such as Silicon Labs, SECO, Silergy, Altium, Solidworks, EXFO & Keysight Technologies.

#### What makes us different?

- We are independent and dedicated to solutions from more than 50 different high-tech suppliers.
- We provide technical sales & support from the very first design through manufacturing up to the entire life cycle management.
- We keep your supply chain and logistics management lean & digital.
- We are your first-choice partner with presence in Switzerland, Germany, Italy & a network of Eastern European local offices.



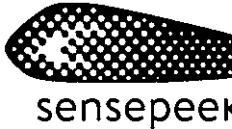
### COMPONENTS

#### IoT & EMBEDDED COMPUTING

	Wireless IoT Connectivity Modules & Sensors, IoT Gateways, IoT Devices and Trackers based on GNSS, Wi-Fi, Bluetooth/BLE, LoRaWAN & mIoty Technology, Custom hardware and software development.
	Wireless IoT Connectivity Modules, Internal Antennas, System on Modules (SOM), Single Board Computers (SBC), IoT Gateways, IoT Devices & ruggedized Sensors based on Wi-Fi, Bluetooth/BLE, LoRaWAN, Cellular (LTE-M/NB-IoT) & NXP ARM-CPU.
	Wireless IoT Connectivity Modules based on Cellular (2G/3G/4G/5G/NB-IoT/eMTC), Embedded wireless System on Modules (SOM) based on GNSS, Wi-Fi, Bluetooth, Cat.M1 M2M Modules, Android OS LTE Modules (SOM), Wi-Fi hotspot.
	Computer on Modules (SOM/COM) in different form factors with Carrier boards, Single Board Computers and IoT Gateways based on ARM-CPU from NXP/Texas Instruments/Renesas/Atmel, Custom hardware and software development.
	Computer on Modules (SOM/COM) as Qseven/COM Express/ETX/XTX/SMARC/SODIMM-200 CPU-Modules with Carrier boards, Single Board Computers, Touch Panel-PC HMI Solutions, fanless embedded Box-Computer and IoT-Gateways based on ARM & x86 CPUs.
	SSDs (2.5"-SATA), SATA-SSD-Modules (m.2 SATA, mSATA MO-300), PCIe U.3 Data Center SSDs, M.2 PCIe SSD-Modules, SD-/microSD-/Cfast-/CompactFlash- Cards, USB-Sticks, iShield Security Products (FIDO2 USB-A/NFC Security Key) FIDO2 Tokens, HSM anchors for IoT-devices and encrypted SD cards to protect and store sensitive video data.
	Fiber optic assemblies, RFoF, GPSoF, LANoF, Vehicle, Omni-directional and directional antennas, RF adapters (MBX, MMBX, SMPM, SMP), Lightning protection, Mobile field cables.







### INSTRUMENTS

#### TEST & MEASUREMENT

	USB based oscilloscopes (real-time and sampling with TDR), Vector network analyzers, Synthesizers and pulse generators and data loggers.
	AC / DC power supplies, DC electronic loads, SMUs, Function generators, LCR meters, Oscilloscopes, Spectrum analyzers, Digital multi meters.
	PCBite solution for soldering, inspection and handsfree measurements.

### ICT

#### INFORMATION & COMMUNICATION TECHNOLOGY

	Field Network Testing: OTDR, OSA, OPM, Ethernet, CPRI, RF, 5G, Transport, High speed up to 800Gig and beyond. Remote fiber testing and monitoring solutions. Lab and Manufacturing Testing: Tunable Laser sources, Optical component testers, Filters, Light sources, Power meters, Optical bench-tops, OSA.
	Field portable Spectrum Analyzers up to 43GHz EMF, NIS, Tailored NIS APP's, 5G, LTE, Interference hunting and lab OSA.
	World leading timing provider Grand Master, Boundary clock provisioning systems. Rubidium, Cesium, Maeser.
	Highly efficient fiber optical cleaning products.
	Tailored RF shielding solutions for any application.
	Fusion splicers to manage fiber splicing for lowest and least reflectance and most reliable fiber joints.

#### Headquarter

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