**WIRELESS TECHNOLOGY**

**Applicators**

**SARA-U2**

*Embedded*

Electronics oriented to unique applications, the choice among the broad technology, the small design and high quality components.

**Rugged Box PCs for automation industry**

*Powerful Box PCs with optional external GPU*

*Compact size*

*Patented expansion*

Surveillance platforms

Machine vision controllers designed to 24/7 operation

*Wide range of high quality monitors*

Great viewing angles and exceptional color clarity

Optical Multi-Touch Technology

Durable & professional design

Projective Capacitive, Infrared or Resistive or Capacitive Multi-touch with Full HD & Ultra HD resolution

Solutions for: access control, animal identification (pet, bird and ISO Cards, Key Fobs, Wrist Bands, PET laminates RFID system

V2X transceiver modules

AEC-Q100 and ISO 16750-4

Bluetooth module

Ultra compact (10x14x3.8mm) NINA-W modules,

Multiradio with dual band WiFi modules

Wi-Fi, Bluetooth Dual-Mode NINA-W10 products

ODIN-W262 Wi-Fi

LONG RANGE

U-BLOX M9/M8/8/7/6 MODULES ARE PIN COMPATIBLE

GPS/GALILEO/Glonass/BeiDou/QZSS support (L1/L2/L5) to correct errors caused by the ionosphere and delivers fast TTFF.

High performance ZOE-M8x for size optimized devices

Sensors for navigation without sky view (NEO-M8L/U, ZED-F9K)

High in-band jamming immunity, Jammer detection

Built in active antenna support (power, monitor)

Form factors: MAX, NEO, LEA, EVA, ZOE, SAM, CAM, ZED

Qualified for in vehicle use (ISO16750)

*antenna module* 15.5x15.5x6.3 mm

*built-in antenna* 7.0x7.0x1 mm

LTE/NBIOT

GSM/UMTS/

LTE High Category mega power in connected mode (i.e. 3uA Cat.NB1 Deep Sleep, 0.6mA 2G IDLE)

Built in GNSS support (i.e. CellLocate, Assisted GNSS client)

Global and local approvals, including ATEX

Low power in connected mode (i.e. 3uA Cat.NB1 Deep Sleep, 0.6mA 2G IDLE)

High overage in the future, cost optimized – LTE Cat.M1, LTE Cat.1

Overage for now - LTE Cat.M1 for US,

Low power in connected mode (i.e. 3uA Cat.NB1 Deep Sleep, 0.6mA 2G IDLE)

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**OPTO**

- Optocouplers, photodiodes/transistors available.
- Full color OLED and TFT displays.
- LCD, OLED and TFT displays 3030, 5630, 3535, available also in R, G, B colors.
- UV & IR LEDs for plant growth stimulation with specific wavelengths.
- Wide selection of UV wavelengths (270nm-420nm) and high powers, in various form factors.

**Lighting Products**

- LED modules - square and round modules & holders on CSP LED in different sizes.
- Customized solutions & accessories: over-under and coplanar types (for THT LEDs in various shapes, colors and sizes, chip LEDs, digit displays, light bars, side view LEDs).

**LED drivers:**

- SOP-8, D-PAK, D2-PAK, MBS, ABS, DBLS, and many others.
- Voltage stability in different temperatures, low voltage derating and a very lifetime.

**Inductive Components**

- Charging coils, transformers, inductors: chip, bead, power in THT and SMD.
- Circuit protection, ESD, MOV, GDT.
- DC boost, DC buck, Current Regulator.

**Clocks and Timekeeping**

- Quartz based sensors, Crystal units, Oscillators, Crystal units, RTC modules.
- Crystal resonators, Crystal oscillators, Programmable, OCXO, VCXO, SPXO, Programmable, Programmable.
- 1MHz crystals, 5MHz crystals, 10MHz crystals, 20MHz crystals.
- Radar sub-systems, IMU units, Pressure, Gyro.

**Wireless and Navigation**

- SAW resonators and filters, Quartz based sensors, Crystal units, Oscillators, Crystal units, RTC modules.
- Programmable, OCXO, VCXO, SPXO, Programmable, Programmable.
- 1MHz crystals, 5MHz crystals, 10MHz crystals, 20MHz crystals.
- Radar sub-systems, IMU units, Pressure, Gyro.

**System and Equipment**

- EMBEDDED BOARDS, ALL-IN-ONE PANELS, INDUSTRIAL FANLESS PCs, SWITCHES.
- ACCESSORIES, MODULES, ANTENNAS & WIRELESS.

**Microdis Business Model**

- Network Partnership with suppliers and customers.
- Franchise Distribution for a selected number of manufacturers.
- Downloadable file with dependent, pricing.

**Microdis Electronics**

- Competence & Reliability.
- Microdis in Eastern Europe. The leading technical distributor for each employee.
- Downloadable file with dependent, pricing.

**Microdis Electronics**

- LOGO.