NOVASOM
INDUSTRIES
Embedded Systems

ARM based SBC for
MULTIMEDIA APPS

PERFECT FOR DIGITAL SIGNAGE INFOTAINMENT MULTIMEDIA AND ADVERTISING APPLICATIONS

UNIQUE SELLING POINTS

- Complete SBC with immediate bootstrap
- Native Android & Linux support O.S. (M7, M8 & M9)
- Native Window 10 and Linux (M11)
- **Embedded UPS** manager with battery and Redundant Power Input
- **HD Audio output** and Optical SPDIF
- mPCIe interface slot (M9, M7 & M11)
- Fluidity and no scratch on Heavy UHD play guaranteed
- Fully certified board, visit www.novasomindustries.com for details

SKILLS AND TARGET MARKET

The **Novasom Industries M-line** was created for those advanced multimedia applications where the computing power and the presence of specific **HW accelerators** are needed as much as the advanced connectivity to various kinds of displays while maintaining the classic low-level **industrial connectivity**.

Novasom Industries **M11 series**, based on the new **Intel Apollo Lake x5** 6th generation Atom CPU with **Microsoft Windows 10** and **UHD (4k)** video capabilities, is perfect for the typical Kiosks & Digital-Signage applications.
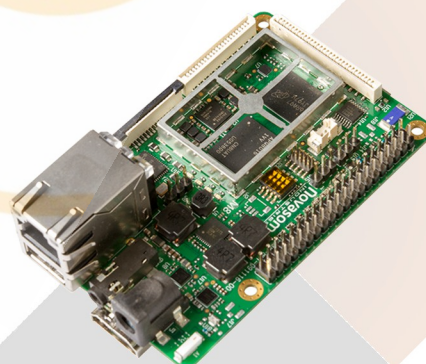
The **M7** is based on the **Rockchip RK3328**, a **4X A53** processor and can drive **UHD (4k)** displays, has **USB3 & 2**, **HDMI** and supports Android OS.

M8 board runs **Qualcomm Snapdragon 410E** with Android and **Windows 10 IoT** and can be connected to FHD displays.

The **M9**, based on the **Rockchip RK3399** offers an android like experience and high side multimedia application with UHD, multiple video and camera input.

All the M-Line boards support Linux OS.

RASPMOOD form factor for **M7, M8** and **M9**: dimensions, mechanical holes, expansion pin on strip, connector kind and position are similar to the famous Pi Family.

So if you've started with a toy-board and want to use in an **industrial proposal**, we are ready.

Visit
www.novasomindustries.com
for the latest update.

WARRANTY

UP TO 5 YEARS TOTAL WARRANTY

5/10 YEARS LIFETIME AVAILABALITY

ONLY INDUSTRIAL COMPONENTS

FOR MULTIMEDIA & HMI SMART DEVICE APPLICATIONS

Windows 10 · intel · 3x 4K ULTRA HD · NXP · ARM · RASPMOOD

we have
SOLUTION
for you

M LINE
Perfect for your
MULTIMEDIA
application

STANDARD
PRODUCTS

Novasom M7

Rockchip RK3328 4xA53
RASPMOOD design
Android Linux
UHD H265

Novasom M8

Qualcomm
Snapdragon410E
RASPMOOD design
Android Linux
Windows 10 IoT

Novasom M9

Rockchip 3399
Dual A72 + Quad A53
RASPMOOD design
Android Linux

Novasom M11

Intel Apollo Lake 6th gen.
Mini ITX industrial
POE , UPS manager
Android Linux
Windows 10

EVALUATION DEVELOPMENT KIT

LCD only for EDK

The standard Development Kits are made by one Novasom Industries board, Micro SD 4GB with SDK and SW demo, power supply wall plug, console cable, instructions to download the SDK loaded into a working Virtual Machine, for Linux OS, where **everything** is installed, **configured** and nothing additional needs to be done.

Our engineering team guarantees the success of your design.

Our single board computers are designed to be a solution for our customers and their production processes. Their design allows us to populate and de-populate the Novasom Industries boards **(Tailor-Made Solution)** thus achieving the desired configuration and reducing costs.

It is possible to easy **Customize** a standard board, with a fixed price that includes the engineering service to customize one Novasom Industries SBC plus one run of 5 Alpha prototypes of your board. Just call us.

TAILORMADE

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For any doubt or question
do not hesitate to contact us on our website
www.novasomindustries.com