



ARM based SBC for LOW COST MID-SIZE APPS

PERFECT FOR HMI LOW PRICE MARKET

VENDING, DOMOTIC,
IoT, etc.

UNIQUE SELLING POINTS

- Unit is a **complete SBC** with immediate bootstrap (it is **not a SOM**)
- **Small** size and low cost, **strong multimedia performance** and flexibility
- **mPCIe slot** with SIM bay ready for every need
- GPIO expansion
- **Linux** and **Android** Supported O.S.
- Dual Channel LVDS and HDMI out
- Our **proprietary Kernel** and **BSP** guarantee stability and performance
- Our visual programming tool **NOVAembed™** with **BSPFactory™** for **free**
- Fully supported by Novasom's engineering team
- Fully **certified** board, visit www.novasomindustries.com for detail

SKILLS AND TARGET MARKET

Novasom Industries P-line is a family of **SBCs**, specially developed for markets requiring **inexpensive** boards that maintain **high performance** and industrial **high quality** levels such as the High-end **multimedia, vending, domotics and IoT** applications.

The small credit card size board contains everything necessary to **guarantee** an immediate bootstrap, driving of a **display**, connecting via **Ethernet** and **USB** plus two strips for possible **expansion** and a **mPCIe** slot ready for use with any WiFi, BT, modem, GPS, etc.

Our proprietary Kernel and **BSP** guarantee stability and performance and our visual programming tool **NOVAembed™** with **BSPFactory™** makes it easy to program.

It is fully supported by Novasom's **engineering team**

Visit www.novasomindustries.com for last update.

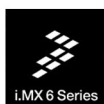


HARDWARE KEY POINTS

- Power supply range **5** or **6,5 to 18V**, plus protection on voltage inversion
- LDVS (up to Full-HD) with power supply for the **backlight** and I2C for driving a **touch screen controller**
- RTC internal imx6 (battery with external connector) 50µA
- Reduced dimensions: 86mm x 54 mm (**Credit Card Size**)
- HDMI + Ethernet **100 M** + USB plus other USB on strip as various **GPIO, I2C, SPI, UART**
- **eMMC** option available up to 16GB; µSD **metal** slot support (up to 32GB)
- **2xRS232, 1xRS485, 1xCAN lines with transceiver**

WARRANTY

UP TO 5 YEARS TOTAL WARRANTY
15 YEARS LIFETIME AVAILABILITY
ONLY INDUSTRIAL COMPONENTS
FOR FAST INDUSTRIAL HMI AND
MULTIMEDIA APPLICATIONS



we have

SOLUTION

for you



Novasom P6B

iMX6 Solo
512 MB RAM

**STANDARD
PRODUCTS**



Novasom P7D

iMX6 Dual Lite
1 GB RAM
RS485/CAN drivers

Novasom P8E

iMX6 Quad
1 GB RAM
eMMC (4GB)
RS485/CAN
3 channel USB on
strip
SATAII HDD

EVALUATION DEVELOPMENT KIT



Our engineering team guarantees the success of your design.

Basic Development Kit for Novasom P-Line is based on the Novasom P7D.

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.

Instructions and other **necessary documentation are provided.** Extended Development Kit is also available and it includes a LVDS touch 7" with all needed cables to directly connect to the Novasom board.

With the assistance of our sales team you can configure your tailor made board to lower the price and increase the **MTBF**. If the **Tailor-Made Solution** is not enough, it is possible to **Customize** a standard board.

Ask to us for the complete **"SBC Customization"** with a fixed price that includes the engineering service to customize one Novasom Industries SBC plus one run of 5 Alpha prototypes of your specific board.

TAILORMADE

Novasom
INDUSTRIES
Embedded Systems

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