

PSMC-M101

SMARC module by SMARC 2.0 based on Intel® Atom™ / Pentium® / Celeron® processors (Apollo Lake) with LPDDR4 SDRAM up to 8GB, 24bit LVDS, DP, HDMI



PSMC-M101 is designed with Intel® Atom™ / Pentium® / Celeron® processors ("APOLLO LAKE") processors featured with higher graphic performance and wider memory bandwidth than the previous platform.

Based on Intel® Apollo Lake industrial grade processor support, industrial components selecting, and with wide-voltage input design adding on board, PSMC-M101 not only aims at various applications(i.e. automation, fire security, transportations), but is also set to support kinds of harsh environment with a stable power input.

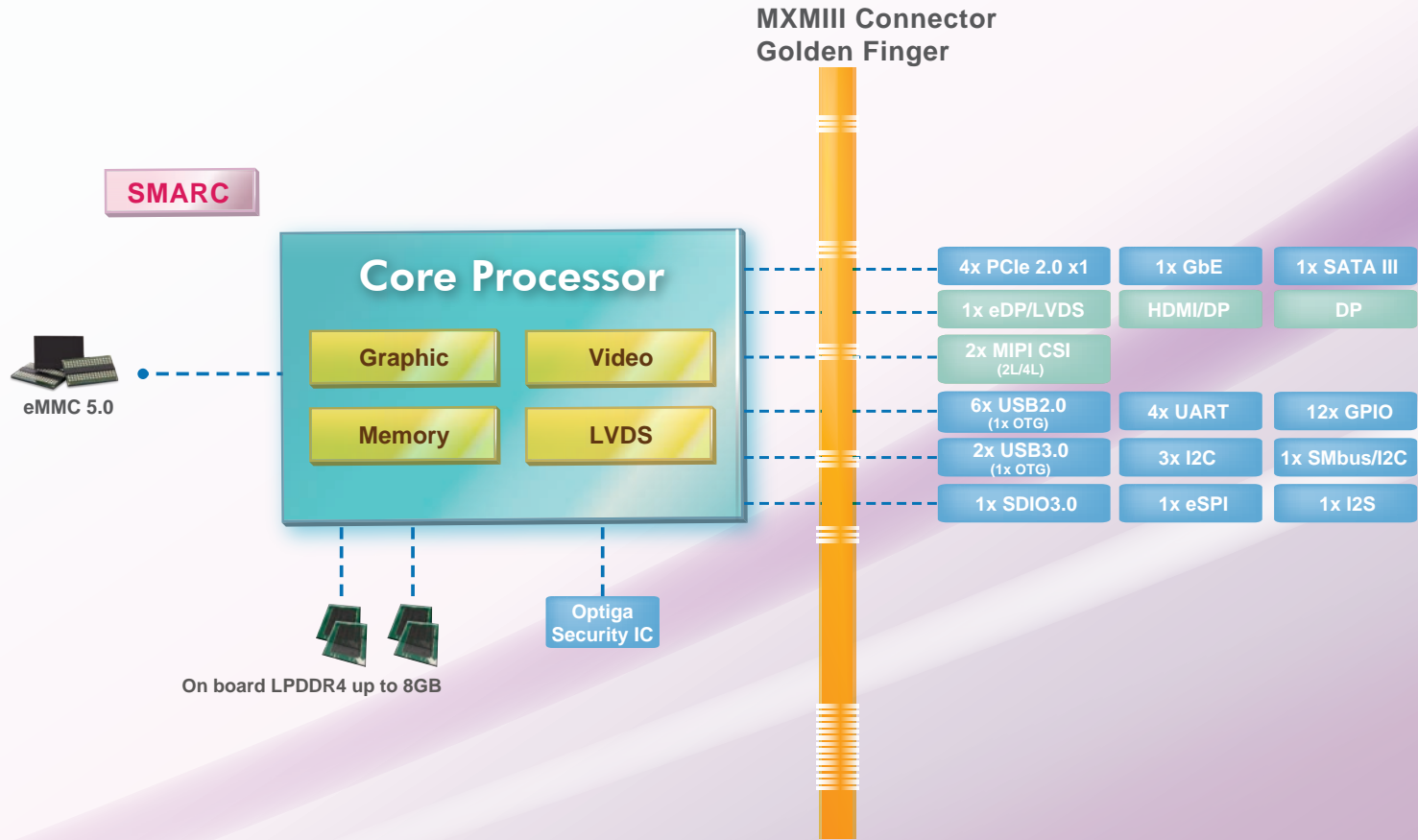
FEATURES

- Intel® Atom™ / Pentium® / Celeron® processors ("Apollo Lake")
- On Board LPDDR4 DRAM up to 8GB
- On Board eMMC 5.0 up to 64GB(Optional)
- Support 24-bit LVDS, HDMI and DP output
- 4x PCIe 2.0 x1, 2x USB 3.0 and 6x USB 2.0
- Operating Temperature: -40°C~+85°C

ORDERING GUIDE

AB7-3051Z	(R). PSMC-M101-E3950-4G-8G. Atom E3950 Quad Core 2.0 GHz. SMARC Module/EC/LVDS
Contact us	(R). PSMC-M101-N3350-4G-8G. Celeron N3350 Dual Core 2.4 GHz. SMARC Module/EC/LVDS
Contact us	(R). PSMC-M101-N4200-4G-8G. Pentium N4200 Quad Core 2.5 GHz. SMARC Module/EC/LVDS
Contact us	(R). PSMC-M101-Exxx-xG-xG. With chosen CPU, memory and eMMC





Processor Core

- ◆ Intel® Atom™ Processor x7-E3950/x5-E3940/x5-E3930
- ◆ Intel® Pentium® Processor N4200
- ◆ Intel® Celeron® Processor N3350
- ◆ 1.8GHz to 2.5GHz
- ◆ 2MB Cache

Highlights

- ◆ Optiga Trust security IC on board option
- ◆ 4x PCIe 2.0 x1
- ◆ eDP to LVDS support
- ◆ EC design for flexible control

Memory

- ◆ LPDDR4 2133/2400 MT/s
- ◆ Dual Memory Channel support
- ◆ up to 8GB

Platform Thermal Design Power

CPU	E3950	E3940	E3930	N4200	N3350
Watt	12W	9.5W	6.5W	6W	6W