

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.

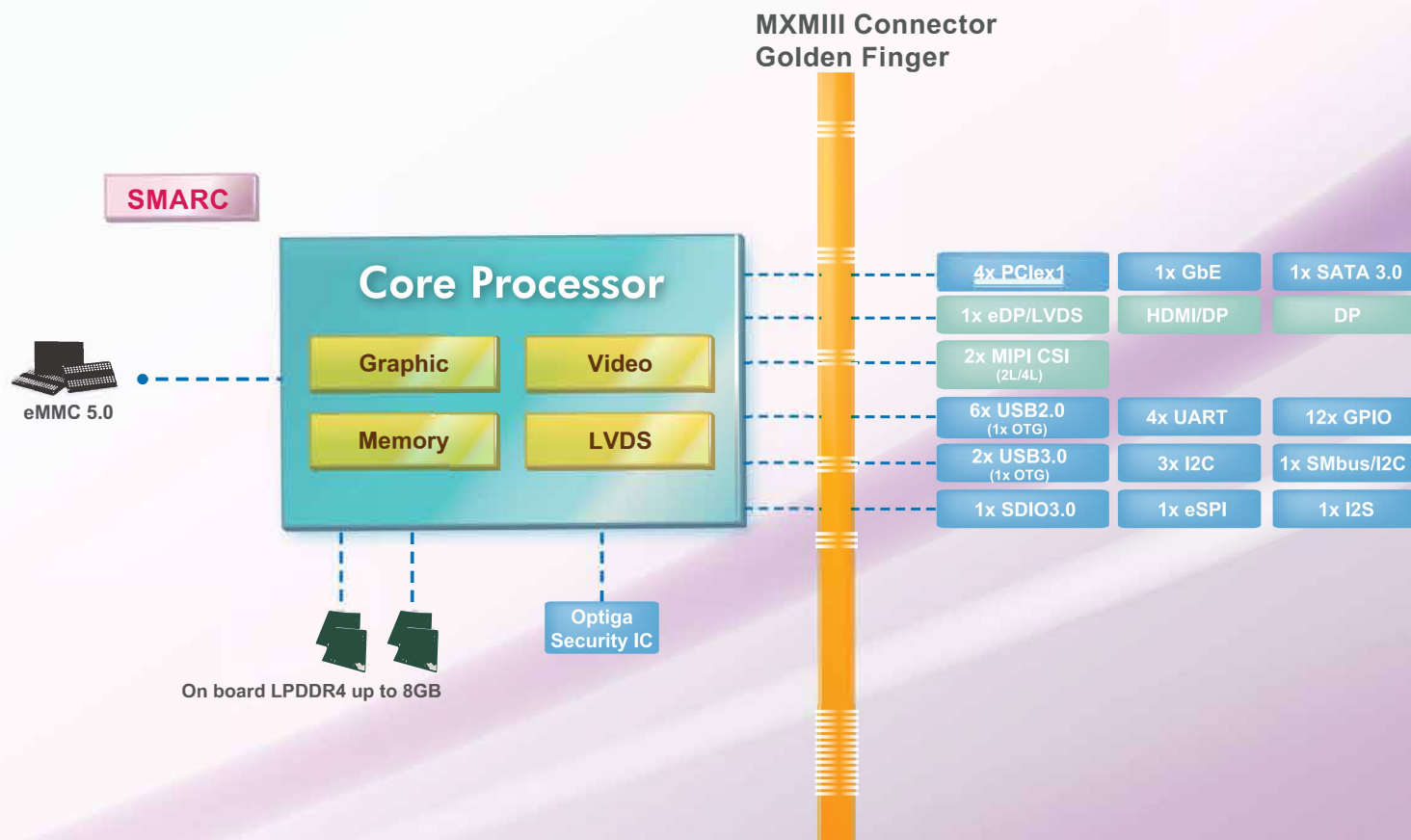
FEATURES

- 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
- 4 PCIe 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
- ◆ 4 PCIe x1
- ◆ eDP to LVDS support
- ◆ EC design for flexible control

Memory

- ◆ LPDDR4 - 2133/2400
- ◆ 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