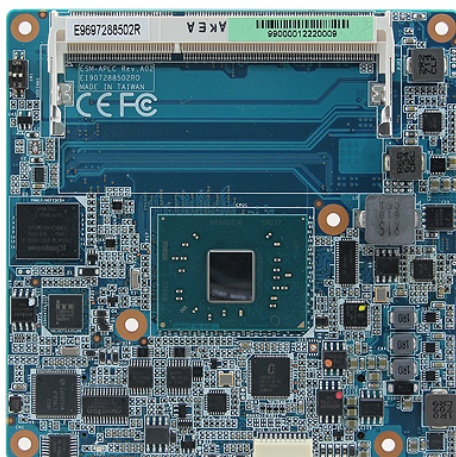




ESM-APLC

Intel® Celeron®N3350,J3455 / Pentium®N4200 Processor Type6 COMe Compact Module

Onboard Intel® Celeron®N3350,J3455 / Pentium®N4200 SoC BGA Processor

1 Sockets 204-pin, SO-DIMM up to 8GB DDR3L 1333MHz SDRAM

Support Dual Channel 18/24 bit LVDS, Display Port, VGA, eDP (Optional)

Intel I211 Gigabit Ethernet

2 SATA 3.0, 8 USB 2.0, 4 USB 3.0, 8-bit GPIO HD Audio Interface

+9~+19V Wide Range Power Input

Type 6 Rev 2.1 Pin-out

Compact Size: 95x95mm

TPM2.0 (Optional)

eMMC 5.0 up to 64GB (optional)

+ Spec

System Information-

Processor

Intel® Pentium® N4200 4C 1.1GHz / 6W
Intel® Celeron® N3350 2C 1.1 GHz / 6W
Intel® Celeron® J3455 4C 1.5 GHz / 10W

Platform Controller Hub

Apollo Lake SoC integrated

System Memory

1 x 204-Pin DDR3L 1600&1333MHz SO-DIMM,supports up to 8GB (Non-ECC)

I/O Chipset

ITE IT8528VG

BIOS Information

AMI uEFI BIOS, 128Mbit SPI Flash ROM

Expansion

Expansion

3 Ports (Optional 4 PCIe1 or 1 PCIe4 while removing Ethernet), compliant to PCIe Gen2 5.0 GT/s

I/O

USB Port

8 x USB 2.0
4 x USB 3.0

COM Port

2 x COM Ports (RX/TX only)

SATA

2 x SATA III

DIO

1 x 8bit GPIO

MIO

1 x SMBus
1 x LPC
1 x I2C

Other

eMMC 5.0 up to 64GB (optional)

Display

Graphic Chipset

Apollo lake SoC integrated Graphics

Spec. & Resolution

VGA: Max. resolution 1920x1200 @ 60Hz
LVDS: Max. resolution 1920x1200 @ 60Hz
HDMI: Max. resolution 3840x2160 @ 30Hz
DP: Max. resolution 4096x2160 @ 60Hz

LVDS

CH7511B(eDP to LVDS)

DDI

HDMI
DP
DisplayPort

Audio

Audio Interface

Intel® High Definition Audio

Certifications

Certification Information

CE
FCC Class B

Ethernet

LAN Chipset

1 x Intel WGI211AT

Ethernet Interface

10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

Operating Temperature

0°C ~ 60°C (32°F ~ 140°F)
(Standard)

Storage Temperature

-40°C ~ 75°C (-40°F ~ 167°F)

Operating Humidity

40°C @ 95% Relative Humidity, Non-condensing

Weight

0.44lbs(0.2kg)

1/4/24, 2:23 PMAvalue - Medical panel pc,Embedded platform,Fanless touch panel,Medical panel pc,Embedded pc,Embedded board, Industri...

Power Requirement	+9V ~ +19V
ACPI	Single power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Mode	AT/ATX
Dimension (L x W)	3.7" x 3.7" (95mm x 95mm)
Software Support	
OS Information	Windows® 10 Enterprise (64-bit) Linux (Kernel>4.5)
Ordering Information	



Ordering Information	ESM-APLC-N42-A2R Intel® Pentium® SoC Processor N4200 Type6 COMe Compact Module
	ESM-APLC-N33-A2R Intel® Celeron® SoC Processor N3350 Type6 COMe Compact Module
	ESM-APLC-N34-A2R Intel® Celeron® SoC Processor J3455 Type6 COMe Compact Module
	EEV-EX14-B1R mATX Ev. Board for COMe Type 6 A2
	ACC-ESMAPLC-SK-1R Heatsink for ESM-APLC W/O FAN H=22.5mm
	ACC-ESMAPLC-SD-1R Heatspreader for ESM-APLC W/O FAN H=8.0mm