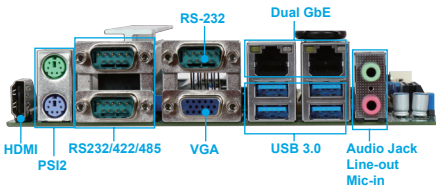


WADE-8172 is based on Intel® Celeron® processor N3350. With dual-channel DDR3L memory and rich I/O sets, WADE-8172 empowers energy-efficient solutions for point-of-sale (POS) and industrial automation applications.

FEATURES

- Intel® Pentium/Celeron Apollo Lake SoC Processor
- Supports Dual Channel DDR3L 1333/1600MHz, 2 x SO-DIMM, up to 8GB system memory
- 1 x HDMI, 1 x D-Sub, 1 x Dual Channel 24-bit LVDS
- 4 x USB 3.0, 4 x USB 2.0, 1 x SATA3 port
- Supports 1x mini-PCIe, 2x M.2 socket (KEY M & KEY E)

REAR I/O



ORDERING GUIDE

AB1-3F78	(R) WADE-8172-N3350 (R) WADE-8172-N3350. Mini-ITX ESB. Intel Apollo lake SoC Processor N3350 w/DDR3L/VGA/LVDS/HDMI/dual GbE LAN/SATA
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PACKING LIST

1x WADE-8172 motherboard
1x I/O shield
1x SATA cable
1x Driver CD

GENERAL

Processor	Intel® Celeron® processor N3350 in FCBGA1296 package, 1.1 GHz (2.4 GHz turbo), 2 MB L2, 6W TDP
Chipset	Integrated
BIOS	AMI uEFI BIOS
Memory	Support up to 16 GB DDR3L 1600/1333 MHz memory (non-ECC) on 2x 204-pin SODIMM socket
Storage Devices	- 1x SATA III ports - 1x M.2 socket (KEY M 2260/2280) with SATA signal for SSD
Watchdog Timer	Programmable watchdog timer, time out period from 1 sec to 255 secs.
Hardware Monitoring	- Temperature (CPU & System) - Voltages (CPU Vcore, 12V, 5V, 3.3V)
Expansion Interface	- 1x PCIe x1 slot (Gen2, 5GT/s) - 1x M.2 socket (KEY E 2230) with PCIe x1 and USB(shared) for Wireless - 1x full/half size Mini PCIe socket with PCIe x1 and USB(shared)

I/O INTERFACE

Super I/O	
Audio	Intel® High Definition Audio interface Realtek® ALC887 High Definition Audio 1x on board pin header support Line-out/Mic-in
Ethernet	2x RJ45 connectors on rear I/O (Realtek® RTL8111G)
Serial port	- 2x RS-232/422/485 on rear I/O (selectable by BIOS) - 1x RS-232 on rear I/O - 3x RS-232 on pin header (2.00 mm pitch)
USB	- 4x USB 3.0 on rear I/O - 4x USB 2.0 on pin header (2.54mm pitch)
GPIO	8 bit GPI/GPO

DISPLAY

Graphic Controller	- Integrated Intel® Generation 9 Graphics - Supports DirectX 12, OpenGL 4.2, OpenCL 2.0
Display Interface	- LVDS: dual channel 24bit LVDS on board connector, up to 1920 x 1200 - HDMI: resolution up to 4096 x 2160 , on REAR I/O - VGA: resolution up to 1920 x 1200 , on REAR I/O

Mechanical & Environment

Dimension	170.0 x 170.0 mm (6.7" x 6.7")
Power Supply	12V & 19~24V DC input or ATX
Environment	- Operation temperature: 0~60°C - Storage temperature: -20~80°C - Relative humidity: 5~95%, non-condensing
MTBF	Over 120,000hrs at 40°C