the arest version www msi com/datasheet. The information provided in this document is intended for informational purposes only and is subject to chance without no



MS-98J0-SKU1

FEATURE

CONNECTIONS

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SPECIFICATION

CPU	Intel® Celeron® Processor J3455, QC, 10W
Frequency	J3455, 1.5 GHz, up to 2.3 GHz
L2 Cache	2MB
CPU Type	BGA
Chipset	Integrated in SoC
BIOS	AMI
Technology	Dual-channel DDR3L 1866 MHz
Max. Capacity	Up to 8GB
Socket	2 x 204-pin SO-DIMMs
Controller	Pin header (default) Infineon SLB9665TT 2.0 (by BOM option)
Graphic Memory	Depends on CPU
LVDS	1 x Dual channel 18/24-bit
eDP	N/A (by option)
VGA	1
HDMI	1
DisplayPort	N/A(by option)
Multiple Display	3 independent displays
Display Interface	1 x Dual channel 18/24-bit
Watahdan Timor	256-level Watchdog Timer
Watchdog Timer	
Smart Fan	Yes
Smart Fan	Yes
Smart Fan PS/2	Yes 1 (pin header)
Smart Fan PS/2 PCIe x 1	Yes 1 (pin header) 1 1 x M Key (SATA 3.0), 2242
Smart Fan PS/2 PCle x 1 M.2	Yes 1 (pin header) 1
Smart Fan PS/2 PCle x 1 M.2 SATA	Yes 1 (pin header) 1
Smart Fan PS/2 PCle x 1 M.2 SATA USB	Yes 1 (pin header) 1 1 x M Key (SATA 3.0), 2242 1 x E Key (PCle x1, USB2.0), 2230 1 x SATA 3.0 3 x USB 2.0 (internal) 4 x USB 3.2 Gen 1 (rear) 6 x COM ports (Internal) COM1: RS-232/422/485, 0V/5V/12V
Smart Fan PS/2 PCle x 1 M.2 SATA USB Serial	Yes 1 (pin header) 1
Smart Fan PS/2 PCle x 1 M.2 SATA USB Serial	Yes 1 (pin header) 1 1 x M Key (SATA 3.0), 2242 1 x E Key (PCle x1, USB2.0), 2230 1 x SATA 3.0 3 x USB 2.0 (internal) 4 x USB 3.2 Gen 1 (rear) 6 x COM ports (Internal) COM1: RS-232/422/485, 0V/5V/12V COM2~6: RS-232, w/o Power 8-bits (4 x GPI; 4 x GPO), 5V
Smart Fan PS/2 PCle x 1 M.2 SATA USB Serial GPIO DC Input	Yes 1 (pin header) 1 1 x M Key (SATA 3.0), 2242 1 x E Key (PCle x1, USB2.0), 2230 1 x SATA 3.0 3 x USB 2.0 (internal) 4 x USB 3.2 Gen 1 (rear) 6 x COM ports (Internal) COM1: RS-232/422/485, 0V/5V/12V COM2-6: RS-232, w/o Power 8-bits (4 x GPI; 4 x GPO), 5V DC-in 12V
Smart Fan PS/2 PCle x 1 M.2 SATA USB Serial GPIO DC Input Operating Temperature	Yes 1 (pin header) 1 1 x M Key (SATA 3.0), 2242 1 x E Key (PCle x1, USB2.0), 2230 1 x SATA 3.0 3 x USB 2.0 (internal) 4 x USB 3.2 Gen 1 (rear) 6 x COM ports (Internal) COM1: RS-232/422/485, 0V/5V/12V COM2-6: RS-232, w/o Power 8-bits (4 x GPI; 4 x GPO), 5V DC-in 12V -10 ~ 60 ° C
Smart Fan PS/2 PCIe x 1 M.2 SATA USB Serial GPIO DC Input Operating Temperature Operating Humidity	Yes 1 (pin header) 1 1 x M Key (SATA 3.0), 2242 1 x E Key (PCle x1, USB2.0), 2230 1 x SATA 3.0 3 x USB 2.0 (internal) 4 x USB 3.2 Gen 1 (rear) 6 x COM ports (Internal) COM1: RS-232/422/485, 0V/5V/12V COM2-6: RS-232, w/o Power 8-bits (4 x GPI; 4 x GPO), 5V DC-in 12V -10 ~ 60 ° C 10 ~ 90%, non-condensing
Smart Fan PS/2 PCIe x 1 M.2 SATA USB Serial GPIO DC Input Operating Temperature Operating Humidity Storage Temperature	Yes 1 (pin header) 1 1 x M Key (SATA 3.0), 2242 1 x E Key (PCle x1, USB2.0), 2230 1 x SATA 3.0 3 x USB 2.0 (internal) 4 x USB 3.2 Gen 1 (rear) 6 x COM ports (Internal) COM1: RS-232/422/485, 0V/5V/12V COM2-6: RS-232, w/o Power 8-bits (4 x GPI; 4 x GPO), 5V DC-in 12V -10 ~ 60 ° C 10 ~ 90%, non-condensing -20 ~ 80 ° C
Smart Fan PS/2 PCIe x 1 M.2 SATA USB Serial GPIO DC Input Operating Temperature Operating Humidity Storage Temperature Storage Humidity	Yes 1 (pin header) 1 1 x M Key (SATA 3.0), 2242 1 x E Key (PCle x1, USB2.0), 2230 1 x SATA 3.0 3 x USB 2.0 (internal) 4 x USB 3.2 Gen 1 (rear) 6 x COM ports (Internal) COM1: RS-232/422/485, 0V/5V/12V COM2-6: RS-232, w/o Power 8-bits (4 x GPI; 4 x GPO), 5V DC-in 12V -10 ~ 60 ° C 10 ~ 90%, non-condensing -20 ~ 80 ° C 10 ~ 90%, non-condensing
Smart Fan PS/2 PCle x 1 M.2 SATA USB Serial GPIO DC Input Operating Temperature Operating Humidity Storage Temperature Storage Humidity Dimensions	Yes 1 (pin header) 1 1 x M Key (SATA 3.0), 2242 1 x E Key (PCle x1, USB2.0), 2230 1 x SATA 3.0 3 x USB 2.0 (internal) 4 x USB 3.2 Gen 1 (rear) 6 x COM ports (Internal) COM1: RS-232/422/485, 0V/5V/12V COM2-6: RS-232, w/o Power 8-bits (4 x GPI; 4 x GPO), 5V DC-in 12V -10 ~ 60 ° C 10 ~ 90%, non-condensing -20 ~ 80 ° C 10 ~ 90%, non-condensing 170 x 170mm (Mini-ITX)

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(intel)

MS-98J0-SKU1

Linux Fedora 25 (by request) Linux Ubuntu 16.04 (by request)