

# WMK-7839

WMK-7839 | 1U Rackmount Intel® 8th Generation Platform Network Appliance



Front view



Rear View

## Features

- 1U Rackmount Network Appliance
- Single Intel® 8th Generation Core™/Xeon™ processor
- Intel® Communications Chipset C246
- DDR4 2133/2400/2666 MHz UDIMM x 4, up to 128GB
- IPMI Support by Aaeon Module
- Onboard 2 LAN (I350 AM2)
- Up to 24 Gigabit Ethernet Ports Via NIM
- 1 x 3.5" SATA HDD or 2.5" SATA HDD x 2, mSATA Socket x 1
- LCM with Keypad x 1
- RJ-45 Console x 1, USB 3.2 Gen 1 x 2, 1 GbE LAN x 2, 220W Single Power or 250W Single Power



## Specifications

### System

Form Factor	1U Rackmount Network Platform
Processor	8th Generation Intel® Core™/ Xeon® processor
Memory	4 x DDR4 R-DIMM, up to 128GB/4 x DDR4 U-DIMM, up to 64GB non-buffer non-ECC/ECC memory (Atom® C3558/C3758) 2 x DDR4 R-DIMM, up to 64GB/4 x DDR4 U-DIMM, up to 32GB non-buffer non-ECC/ECC memory (Atom® C3338)
Chipset	Intel® C246
Storage	DDR4 2133/2400/2666 UDIMM Up to 128GB 288-pin DIMM x 4
Ethernet	Intel® I350 AM2 Gigabit Ethernet x 2
Bypass	Depend on NIM module
NIM Slot	NIM Slot x3
Graphics Controller	Intel® HD graphics integrated
Connector	VGA cable (Optional)
HDD	Internal 2.5" SATA HDD x 2 or 3.5" SATA HDD x 1 (Optional)
CF/CFast/mSATA	Default mSATA Slot (Optional CFast Socket)
PCIe Slot	NIM x 3 Mini PCIe Slot x 1 or mSATA x 1
Mini-Card	Mini Card x 1

IPMI	IPMI Support by Workmanhk module
KB Mouse	Pin-header
USB	USB 3.2 Gen 1 x 2, Box Header (2.0mm)
RTC	Internal RTC
Watchdog Timer	1~255 steps by software programmable, 1 sec per step
Software Button	GPIO Programmable push button x 1
TPM	Optional TPM v2.0
GPIO	8bits, BIOS default 4 bits input, 4bits output.
Fan	2
MTBF (hours)	TBD
Color	Black

#### Mechanical/ Environmental

Power Requirement	220W ATX PSU
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)
Humidity	10% ~ 80%
Vibration	0.5 Grms/ 5 ~ 500Hz/ operation (3.5" H.D.D) 1.5 Grms/ 5 ~ 500Hz/ no operation
Shock	10G peak acceleration (11 m sec. duration), operation 20G peak acceleration (11 m sec. duration), non-operation
Storage Humidity	10% ~ 80% @ 40°C, non-condensing
Dimensions	16.93" x 18.7" x 1.73"(430mm x 475mm x 44mm)
I/O Front Panel	Power LED x 1 Status LED x 1 HDD Active LED x 1 USB 3.2 Gen 1 Ports x 2 RJ-45 Console x 1 Parallel LCM display and 4 keypad x 1 Software Programmable Switch x 1
Rear Panel	AC Power Input x 1 Power Switch x 1 VGA port (Optional)

## Ordering Information

<b>PART NUMBER</b>	<b>WMH-7839-E2-A11-000</b>
CPU	Intel® 8th Generation Core™/ Xeon® Processors
MEMORY	DDR4 UDIMM x 4 , Up to 128GB
MINI-CARD SLOT	Mini Card x 1
STORAGE	2.5" HDD Bay x 2 + mSATA slot x1
LAN	Intel® I350 AM2 Gigabit Ethernet x 2
USB	USB 3.2 Gen 1 x 2
CONSOLE	RJ-45 console x 1
NIM SLOT	3 (Note 1)
EXPANSION SLOT	1 (Note 2)
FAN	2
MOUNTING	1U Rackmount
POWER	ATX

#### Optional

M02666600	Slide x 2, for Rackmount Usage
1702031803	Power Cord for EU

\* Specifications and certifications may vary based on different requirements.

## Packing List

1 x DC power adapter 12V/5A or  
12V/7A 1 x Power cord- US

1 x SATA cable

#### Optional Accessories

Part Number	Description
M02666600	Slide x 2, for Rackmount Usage
1702031803	Power Cord for EU

1702031802	Power Cord for US
170203180E	Power Cord for Japan
9761783000	(TF)3.5x1 HDD Module, FWS-7830/7831
9761783001	(TF)2.5x2_HDD-LEFT Module, FWS-7830
NIM-S26C-A10-T40-0002	Intel® Fortville XL710 PCI-Express 10G SFP+ 4 Ports Module for FWS-7820/7830/7831
NIM-S26B-A10-F20-0002	Intel® Fortville XL710 PCI-Express 40G QSFP 2 Ports Module for FWS-7820/7830/7831
NIM-S13B-A10-G80-0002	Intel® 82580EB PCI-Express 1G SFP 8 Ports Module for FWS-7820/7830/7831
NIM-S13D-A10-G40-0002	Intel® 82580EB PCI-Express 1G SFP 4 Ports Module for FWS-7820/7821/7830/7831
NIM-C13B-A10-G82-0001	Intel® 82580EB PCI-Express 1G Copper Ethernet 8 Ports Module for FWS-7820 w/ 2 Pair bypass/7830/7831
NIM-C13D-A10-G42-0002	Intel® 82580EB PCI-Express 1G Copper Ethernet 4 Ports Module for FWS-7820 w/ 2 Pair bypass/7830/7831

## Dimensions



