

12"/15" QM67-Based Open Frame Panel Computer with Intel® Core™ i7/i5/i3/Celeron® Mobile Processor



DML-412/415 are QM67-based open frame system provides high performance, low power consumption, wide temperature capability, flexible options for LCD, touch screen and chassis mounting kit. With open frame architecture, DML 4 series support panel mounting with open frame bezel design.

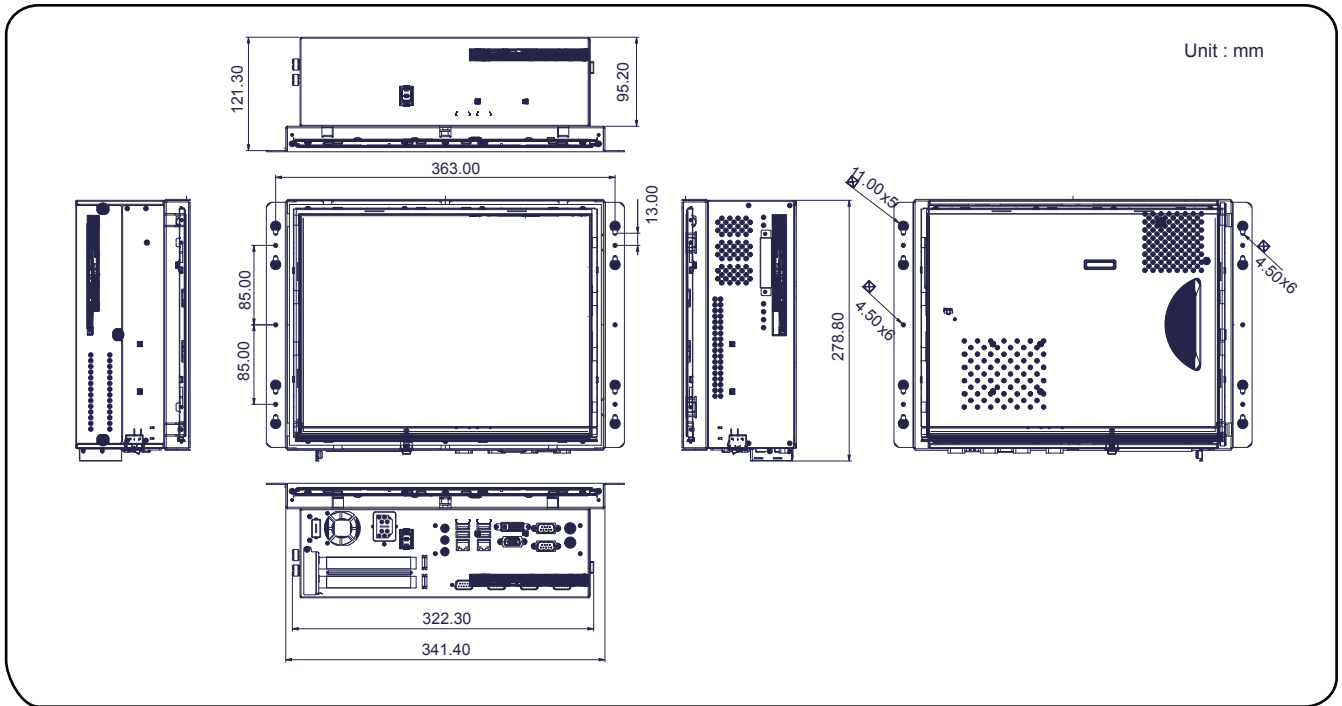
Features

- Supports dual display of DVI, LVDS, VGA
- One slim type drive bay for DVD-RW
- Supports 2 x CF slot(one internal), 2 x 2.5" SATA HDD or SSD
- Easy access 2nd CF slot
- Supports PCI x 1 + PCIe x 1, or PCI x 2, or PCIe x 2 expansion slot
- Supports RAID 0,1
- Easy removable rear cover by 3 hand screws

Specifications

		DML-412	DML-415
System	CPU	Intel® Core™ i7/i5/i3/Celeron® QC/DC processors an 989 socket	
	Chipset	Intel QM67	
	Memory	2 x 2GB DDR3 SODIMM, up to 8GB	
	Storage	CF card slot, 2 x 2.5" HDD (RAID 0,1), or 2 x SSD	
	Ethernet	Intel® 82579LM Gigabit x1 Realtek RTL 8111DL Gigabit x1	
	DVD-RW	SATA Slim type multi-ROM	
	Expansion Slot	PCI x 1 + PCIe x 1, or PCI x 2, or PCIe x 2	
	Dimensions	383(W) x 268.4(H) x 121(D)	
	Weight	6.5 kg	7 kg
	OS Support	WES 7-WS7E, WES-WS7P, Win XP Embedded, Win XP Pro. Embedded, Linux	
LCD Display	Display Type	12" XGA TFT LCD (LED backlight)	15" XGA TFT LCD (LED backlight)
	Max Resolution	1024 x 768 pixels	1024 x 768 pixels
	Colors	16.2M / 262K	16.2M / 262K
	Luminance	600 cd/m ²	400 cd/m ²
	Contrast Ratio	700 : 1	700 : 1
Touch Screen	Touch Screen Type	5 wire resistive (PCT by request)	
I/O Interface	Serial	4 x RS232, 2 x RS232/422/485	
	USB	4 x USB 2.0	
	Ethernet	2 x 10/100/1000 Mbps (RJ45)	
	Audio	ALC262, line-in/line-out/Mic-in	
	VGA	1 x VGA connector	
	DVI-D	1	
	PS/2	1 x Keyboard / mouse	
Power	AC Input Voltage	250W, 90VAC~264VAC, 50/60 Hz	
	DC power module	18V~36V, 150W, 24VDC	
Environment	Operating Temp.	0°C to 55°C	

Dimensions



Accessories

Item	Description
Panel Mount Kit	Panel mount kits for APP-M series
Display Cable	VGA/DVI cable for second display

Options

Item	Description
16:9	15.6-inch display 1366 x 768, multi-touch
Touch Panel (By request)	18.5-inch display 1366 x 768, multi-touch 24-inch display 1920 x 1080, multi-touch
Power Module	AC or DC power module
Riser Card	PCI x 2, or PCIe x 2, or PCI x 1 + PCIe x 1

CPU Compatibility

CPU Family	Speed	TDP
Intel i7-2710QE	2.1 GHz	45 W
Intel i5-2510E	2.5 GHz	35 W
Intel i3-2330E	2.2 GHz	35 W
Intel Celeron B810	1.6 GHz	35 W

Ordering Information

Part No.	Description
DML-412-i7	12" Open Frame PPC with Intel Core i7 CPU
DML-412-i5	12" Open Frame PPC with Intel Core i5 CPU
DML-412-i3	12" Open Frame PPC with Intel Core i3 CPU
DML-412-C	12" Open Frame PPC with Intel Celeron CPU
DML-415-i7	15" Open Frame PPC with Intel Core i7 CPU
DML-415-i5	15" Open Frame PPC with Intel Core i5 CPU
DML-415-i3	15" Open Frame PPC with Intel Core i3 CPU
DML-415-C	15" Open Frame PPC with Intel Celeron CPU

I/O Diagram

