



# Pico Express® Embedded Fanless System

		TINO - 8 x PoE	TWIN - 2 x PoE	ARK-I - 8 x M12
Back Panel Motherboard I/O		 	 	
Motherboard & Carrier board		2I385PW + DM001 2I847PW + DM001	2I385PW + DK007 2I847PW + DK007	2I385PW + DM002 2I847PW + DM002
System Dimension(WxDxH)		178W x 147D x 85.5H mm	145W x 136.5D x 35H mm	140W x 92D x 40.67H mm
Weight(Incl.M/B)		1 kg	0.7 kg	0.56 kg
CPU	2I385PW	Intel Bay Trail-I E3825 1.33 GHz (Dual Core) Intel Bay Trail-I E3845 1.91 GHz (Quad Core)	Intel Bay Trail-I E3825 1.33 GHz (Dual Core) Intel Bay Trail-I E3845 1.91 GHz (Quad Core)	Intel Bay Trail-I E3825 1.33 GHz (Dual Core) Intel Bay Trail-I E3845 1.91 GHz (Quad Core)
	2I847PW	Intel Ivy Bridge 1047UE ; i3 / i7 CPU	Intel Ivy Bridge 1047UE ; i3 / i7 CPU	Intel Ivy Bridge 1047UE ; i3 / i7 CPU
Chipset	2I385PW	Intel Bay Trail-I E3825 1.33 GHz (Dual Core) Intel Bay Trail-I E3845 1.91 GHz (Quad Core)	Intel Bay Trail-I E3825 1.33 GHz (Dual Core) Intel Bay Trail-I E3845 1.91 GHz (Quad Core)	Intel Bay Trail-I E3825 1.33 GHz (Dual Core) Intel Bay Trail-I E3845 1.91 GHz (Quad Core)
	2I847PW	Intel Panther Point (PCH) HM76	Intel Panther Point (PCH) HM76	Intel Panther Point (PCH) HM76
Memory	Type / Capacity	DDR3L 1066 MT/s-2I385PW E3825 DDR3L 1333 MT/s-2I385PW E3845 DDR3 1333 / 1600 MT/s-2I847PW	DDR3L 1066MT/s-2I385PW E3825 DDR3L 1333MT/s-2I385PW E3845 DDR3 1333 / 1600 MT/s-2I847PW	DDR3L 1066MT/s-2I385PW E3825 DDR3L 1333MT/s-2I385PW E3845 DDR3 1333 / 1600 MT/s-2I847PW
	On board memory	2GB-2I385PW E3825 4GB-2I385PW E3845 ; 4GB-2I847PW	2GB-2I385PW E3825 4GB-2I385PW E3845 ; 4GB-2I847PW	2GB-2I385PW E3825 4GB-2I385PW E3845 ; 4GB-2I847PW
SSD storage	mSATA	YES	YES	YES
HDD Space		mSATA / 2.5" HDD	mSATA	mSATA
VGA		YES (M12)	YES	YES (M12)
DVI / HDMI		Mini HDMI	N/A	Mini HDMI
USB		2 x USB 2.0	2 x USB 2.0	4 x USB 2.0 (2 x M12), 1 x USB 3.0 (TypeA)
COM		1 x COM (M12)	1	2 (M12)
Mini-PCle		3	2	1
SIM Card Holder		1 (Push-Push)	2	1 (Push-Push)
Mirco SD Card Holder		1 (Push-Push)	N/A	N/A
GPIO		YES	4DI / 4DO	N/A
Ethernet		8 x 10 / 100 PoE (M12) ; 1 x GbE (M12)	2 x GbE (PoE)	2 x GbE (M12)
Mic-in / Line-out		YES	N/A	N/A
Power Input		Wide Range DC-IN +9~36V	Wide Range DC-IN +9~36V	Wide Range DC-IN +9~36V
Expansion		3G / 4G, GPS, Bluetooth, WI-FI	3G / 4G, GPS, Bluetooth, WI-FI	3G / 4G, GPS, Bluetooth, WI-FI
Operating Temp.		-20°C~60°C for mSATA / SSD HDD	-20°C~60°C for mSATA / SSD HDD	-20°C~60°C for mSATA / SSD HDD
Operating Humidity		5~95% @ 60°C, non-condensing	5~95% @ 60°C, non-condensing	5~95% @ 60°C, non-condensing

