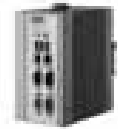
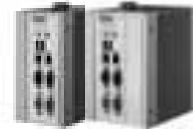
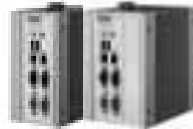
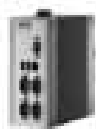
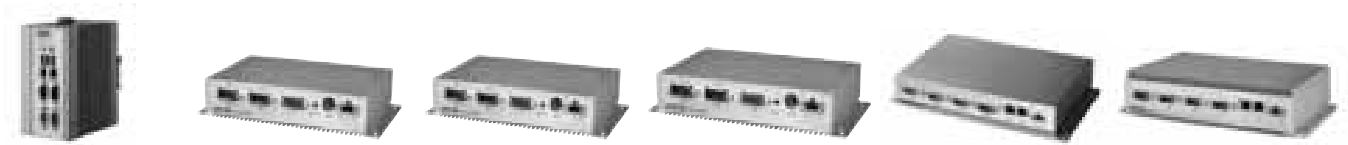


► EMBEDDED AUTOMATION COMPUTERS Selection Guide



Model Name	UNO-1019	UNO-1140/1140F	UNO-1150/1150E	UNO-1150G/1150GE	UNO-1170/1170E
CPU	XScale PXA 255, 200 MHz	EVA-X4150 SoC 486SX grade, 150 MHz	GX2 400 MHz	LX800, 500 MHz	Celeron M 1.0 GHz Pentium M 1.4 GHz
Onboard RAM	64 MB SDRAM	64 MB Industrial grade SDRAM	256 MB DDR SDRAM Onboard	256 MB DDR SDRAM Onboard	512 MB/1 GB DDR SDRAM
Battery-Backup SRAM	-	-	-	-	512 KB
Display	-	VGA	VGA	VGA	VGA
Audio	-	-	Yes	Yes	Yes
Serial Ports	2 x RS-232, 2 x RS-232/422/485	UNO-1140: 4 x RS-232/485 UNO-1140F: 4 x Isolated RS-232/485, 4 x Isolated RS-485	1 x RS-232, 2 x RS-232/422/485	1 x RS-232, 2 x RS-232/422/485	2 x RS-232, 1 x RS-232/422/485
Ethernet Ports	2 x 10/100Base-T	1 x 10/100Base-T	2 x 10/100Base-T	2 x 10/100Base-T	2 x 10/100Base-T
USB Ports	-	Two	Two	Two	Four (One internal)
PC Card Slots	-	-	-	-	-
Printer Ports	-	-	-	- (Pin-head reserved for project)	-
PC/104 Expansion	-	(Project reserved PC/104)	N/A (UNO-1150) / PCI-104 (UNO-1150E)	N/A (UNO-1150G) / PCI-104 (UNO-1150GE)	-
PCIe/PCI Expansion	-	-	(UNO-1150) / mini PCI (UNO-1150E)	(UNO-1150G) / mini PCI (UNO-1150GE)	-
Onboard I/O	2-ch DI, 2-ch DO	-	-	-	-
Watchdog Timer	Yes	Yes	Yes	Yes	Yes
CompactFlash Slots	One external	One internal	One internal	One internal	One internal
2.5" HDD Expansion	-	-	No (UNO-1150) / Yes (UNO-1150E)	No (UNO-1150G) / Yes (UNO-1150GE)	No
Operating Systems	Windows CE 4.2 & 5.0	UNO-1140: WinCE, Linux, DOS UNO-1140F: WinCE, Linux	Windows XP Embedded, Windows CE 5.0/6.0, Windows 2000/XP, Linux	Windows XP Embedded, Windows CE 5.0/6.0, Windows XP, Linux	Windows XP Embedded, Windows CE 5.0/6.0, Windows 2000/XP, Linux
Mounting	DIN-rail/Wall	DIN-rail/Wall	DIN-rail/Wall	DIN-rail/Wall	DIN-rail/Wall
Anti-Vibration	-	5 G w/CF	2 G w/CF, 1 G w/HDD	5 G w/CF, 1 G w/HDD	2 G w/CF
Anti-Shock	-	50 G w/CF	20 G w/HDD, 50 G w/CF	20 G w/HDD, 50 G w/CF	50 G w/CF
Power Input Range	10 ~ 30 V _{DC}	9 ~ 36 V _{DC}	9 ~ 36 V _{DC}	9 ~ 36 V _{DC}	9 ~ 36 V _{DC}
Operating Temperature	0 ~ 70° C @ 5 ~ 85% RH	-20 ~ 75° C (-4 ~ 167° F)	-10 ~ 60° C (14 ~ 140° F)	-10 ~ 60° C (14 ~ 140° F)	-10 ~ 60° C (14 ~ 140° F)
Power Consumption Typical	8.5 W	10 W	15 W	15 W	24 W
Minimum Power Requirement	Min. 13 W	24 W, +24 V @ 1 A power input	24 W, +24 V @ 1 A power input	24 W, 24 V @ 1 A power input	48 W, +24 V @ 2 A power input
Dimensions (W x D x H)	46 x 162 x 126 mm (1.8" x 6.4" x 5")	71 x 155 x 140 mm (2.8" x 6.1" x 5.9")	81 x 155 x 140 mm (3.1" x 6.1" x 5.6") / 109 x 155 x 140 mm (4.3" x 6.1" x 5.6")	71 x 155 x 140 mm (2.8" x 6.1" x 5.6") / 97 x 155 x 140 mm (3.8" x 6.1" x 5.6")	85 x 155 x 140 mm (3.4" x 6.1" x 5.6")
Weight	0.4 kg	1 kg	1.6 kg / 2 kg	1.6 kg / 2 kg	1.6 kg / 2 kg

► EMBEDDED AUTOMATION COMPUTERS Selection Guide



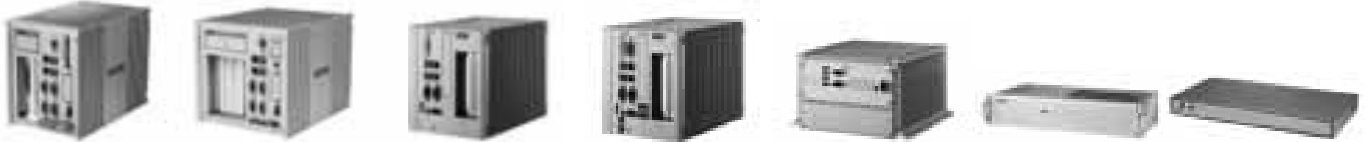
UNO-1171A/1171AE	UNO-2050E	UNO-2053E	UNO-2059E	UNO-2170	UNO-2171
Atom 1.6 GHz (N270)	GX2 400 MHz	GX2 400 MHz	GX2 400 MHz	Celeron 600 MHz Celeron M 1.0 GHz	Celeron M 1.0 GHz Pentium M 1.4 GHz
1GB DDR2 SDRAM	256 MB DDR SDRAM			256 MB/512 MB DDR SDRAM	512 MB/1 GB DDR SDRAM
1MB	-			512 KB	512 KB
DVI-I	VGA				
Yes, 5.1 channel HD Audio	-	Yes	-	-	Yes
2 x RS-232/422/485 2 x RS-232 (pin header)	2 x RS-232 2 x Isolated RS-232/422/485	2 x RS-232	2 x RS-232/485 2 x RS-232/422/485	2 x RS-232 2 x RS-232/422/485	2 x RS-232, 2 x RS-232/422/485
2 x 10/100/1000 Base-T	2 x 10/100Base-T	2 x 10/100Base-T	1 x 10/100Base-T	2 x 10/100Base-T	2 x 10/100Base-T
Four	-	Two	Two	Two	Two
-	-	One	One	One	One
-	-	-	-	One	-
N/A (UNO-1171A) / PC/104+ (UNO-1171AE)	-	-	-	PC/104	PC/104+
1xPCIe mini card	-	-	-	-	-
-	8-ch isolated DI 8-ch isolated DO	-	-	-	-
Yes	Yes				
One internal	One internal				Two internal
No (UNO-1171A) / Yes (UNO-1171AE)	Option				Yes
"Windows XP Embedded, Windows CE 6.0 Windows XP, Windows 7 Linux"	Windows XP Embedded, Windows CE 5.0 & 6.0 Windows 2000/XP, Linux				
DIN-rail/Wall	DIN-rail/Wall			Wall	
2 G w/CF, 1 G w/HDD	2 G w/CF, 1 G w/HDD			2 G w/CF, 0.5 G w/HDD	2 G w/CF, 1 G w/HDD
20 G w/HDD, 50 G w/CF	20 G w/CF @ DIN 50 G w/CF @ Wall/Panel			20 G w/HDD 50 G w/CF	20 G w/HDD 50 G w/CF
9 ~ 36 V _{DC}	9 ~ 36 V _{DC}		10 ~ 48 V _{DC}	9 ~ 36 V _{DC}	10 ~ 53 V _{DC}
-10 ~ 65° C (14 ~ 149° F)	-10 ~ 55° C (14 ~ 131° F)			-20 ~ 50° C (-4 ~ 122° F)	-20 ~ 65° C (-4 ~ 149° F)
15W	15 W			24 W	24 W
36 W, +24 V @ 1.5 A power input	24 W, +24 V @ 1 A power input			48 W, +24 V @ 2 A power input	48 W, +24 V @ 2 A power input
*85 x 155 x 140 mm / 111 x 155 x 140 mm (3.4"" x 6.1"" x 5.6'') / (4.4"" x 6.1"" x 5.6'')"	188.8 x 106.5 x 35.5 mm (7.5" x 4.2" x 1.4")			255 x 152 x 50 mm (10" x 6.0" x 2.0")	255 x 152 x 59 mm (10" x 6.0" x 2.3")
1.6 kg / 2 kg	0.8 kg			1.6 kg	2.4 kg

► EMBEDDED AUTOMATION COMPUTERS Selection Guide



Model Name	UNO-2172	UNO-2173A/AF	UNO-2176	UNO-2182	UNO-3072L
CPU	Celeron M 1.5 GHz Pentium M 1.6 GHz	Atom 1.6 GHz (N270)	Celeron M 1.0 GHz Pentium M 1.4 GHz	Core 2 Duo 1.5 GHz	Celeron M 1.0 GHz Celeron M 1.5 GHz
Onboard RAM	1 GB DDR2 SDRAM	1GB/2GB DDR2 SDRAM	512 MB DDR SDRAM	1 GB DDR2 SDRAM	512 MB/1 GB DDR SDRAM
Battery-Backup RAM	512 KB	- (1MB reserved for project)	512 KB	512 KB	-
Display	DVI-I	VGA	VGA	DVI-I	VGA
Audio	Yes	UNO-2173AF: N/A UNO-2173AF: Yes, 5.1 channel HD audio	-	Yes	-
Serial Ports	2 x RS-232, 2 x RS-232/422/485	UNO-2173A: 2 x RS-232 UNO-2173AF: 2 x RS-232, 1 x RS-422/485	2 x RS-232, 4 x Isolated RS-232/422/485	2 x RS-232, 2 x RS-232/422/485	2 x RS-232, 2 x RS-232/422/485
Ethernet Ports	2 x 10/100/1000Base-T	UNO-2173A: 1 x 10/100/1000 Base-T UNO-2173AF: 2 x 10/100/1000 Base-T	2 x 10/100Base-T	2 x 10/100/1000Base-T	2 x 10/100Base-T
USB Ports	Two	UNO-2173A : Two UNO-2173AF : Four	Two	Two	Four
PC Card Slots	One	-	-	One	-
Printer Ports	-	- (Pin-head reserved for project)	-	-	-
PC/104 Expansion	PCI-104	-	PC/104	PCI-104	-
PCIe/PCI Expansion	-	1 x PCIe mini card slot	-	-	2 x PCI
Onboard I/O	-	-	8-ch Isolated DI 8-ch Isolated DO	-	4-ch isolated DI, 4-ch isolated DO
Watchdog Timer	Yes	Yes			
CompactFlash Slots	One internal	One external	One internal	One internal	One internal
2.5" HDD Expansion	Yes	Yes			
Operating Systems	Windows XP Embedded, Windows 2000/XP, Windows 7	Windows XP Embedded, Windows CE 5.0 & 6.0 Windows XP, Windows 7 Linux, Moblin	Windows XP Embedded, Windows CE 5.0 & 6.0 Windows 2000/XP, Linux	Windows XP Embedded, Windows 2000/XP, Windows7	Windows XP Embedded, Windows CE 5.0 & 6.0 Windows 2000/XP, Linux
Mounting	Wall	Wall	Wall	Wall	Wall/Panel/Stand
Anti-Vibration	2 G w/CF, 1 G w/HDD	5 G w/CF, 1 G w/HDD	2 G w/CF, 1 G w/HDD	2 G w/CF, 1 G w/HDD	
Anti-Shock	20 G w/HDD, 50 G w/CF	20 G w/HDD, 50 G w/CF	20 G w/HDD, 50 G w/CF	20 G w/HDD, 50 G w/CF	
Power Input Range	9 ~ 36 V _{DC}	9 ~ 36 V _{DC}	9 ~ 36 V _{DC}	9 ~ 36 V _{DC}	16 ~ 36 V _{DC}
Operating Temperature	-20 ~ 50° C (-4 ~ 122° F)	-20 ~ 70° C	-20 ~ 65° C (-4 ~ 149° F)	-20 ~ 60° C (-4 ~ 140° F)	-20 ~ 60° C (-4 ~ 140° F)
Power Consumption Typical	45 W	15 W	24 W	35 W	24 W
Power Requirement	48 W, +24 V @ 2 A power input	36 W, +24 V @ 1.5 A power input	48 W, +24 V @ 2 A power input	48 W, +24 V @ 2 A power input	
Dimensions (W x D x H)	255 x 152 x 69 mm (10" x 6.0" x 2.7")	255 x 152 x 59 mm (10" x 6.0" x 2.3")	255 x 152 x 59 mm (10" x 6.0" x 2.3")	255 x 152 x 69 mm (10" x 6.0" x 2.7")	140 x 237 x 179 mm/ 153 x 237 x 179 mm (5.5" x 9.3" x 7.0")/ 6" x 9.3" x 7.0")
Weight	3 kg	2.5 kg	2.4 kg	3 kg	4.2 kg/6 kg

EMBEDDED AUTOMATION COMPUTERS Selection Guide



UNO-3072	UNO-3074	UNO-3072LA	UNO-3082/3084	UNO-3272/3282	UNO-4672	UNO-4678
Pentium M 1.4 GHz	Pentium M 1.8 GHz	Atom 1.6 GHz (N270)	Core 2 Duo 1.6 GHz (L7500)	Celeron M 1.86 GHz Core 2 Duo 1.5 GHz	Celeron M 1.0 GHz Pentium M 1.4 GHz	Celeron M 1 GHz
1 GB DDR SDRAM	1 GB DDR SDRAM	1GB DDR2 SDRAM	2GB DDR2 SDRAM	1 GB DDR2 SDRAM	1 GB DDR2 SDRAM	512 MB DDR SDRAM
512 KB		-	512 KB	512 KB		-
VGA		DVI-I	Dual DVI-I support up to 3 display	VGA+ DVI-D	VGA	VGA
-	-	Yes, 5.1 channel HD Audio line out	Yes, 5.1 channel HD Audio line out	Yes	-	-
2 x RS-232, 2 x RS-232/422/485		2 x RS-232/422/485 2 x RS-232 (pin header)	2 x RS-232/422/485 2 x RS-232 (pin header)	2 x RS-232, 2 x RS-232/422/485	2 x Isolated RS-232, 8 x Isolated RS-232/422/485	2 x isolated RS-232, 6 x isolated RS-232/422/485
2 x 10/100Base-T		2 x 10/100/1000 Base-T, support teaming function	2 x 10/100/1000 Base-T, support teaming function	2 x 10/100/1000Base-T	2 x 10/100/1000Base-T 4 x 10/100Base-T	3 x 10/100Base-T
Four		Five (One internal), two extra on pin header	Five (One internal), two extra on pin header	Five (One internal)	Four (one internal)	Two
One		-	-	-	-	-
-		- (Pin-head reserved for project)	- (Pin-head reserved for project)			
-		-	-	-	PC/104+	PC/104
2 x PCI	4 x PCI	2 x PCI	2 x PCI (UNO-3082)/ 3 x PCI + 1 x PCIe (UNO-3084)	2 x PCI (UNO-3272)/ 1 x PCI + 1 x PCIe (UNO-3282)	-	-
4-ch isolated DI, 4-ch isolated DO		-	Isolated 4-ch DI, 4-ch DO, Dual type B IEEE 1394	-	8-ch Isolated DI 8-ch Isolated DO	-
Yes		Yes	Yes			
One internal, One external		One external, One internal	One external, One internal	One internal, One external	Two internal	One internal
Yes		One eSATA x 1	Two, support RAID 0/1, eSATA x 1	Two, support RAID 0/1		
Windows XP Embedded, Windows CE 5.0 & 6.0 Windows 2000/XP, Linux		Windows XP Embedded, WES Windows CE 6.0 Windows XP, Windows 7	Windows XP Embedded, WES Windows CE 6.0 Windows XP, Windows 7	Windows XP Embedded, Windows 2000/XP/Vista, Linux, Windows 7	Windows XP Embedded, Windows CE 5.0 & 6.0 Windows 2000/XP, Linux	Windows XP Embedded, Windows CE 5.0 & 6.0 Windows 2000/XP, Linux
Wall/Panel/Stand		Wall/Stand/Panel	Wall/Stand/Panel	Wall/Stand	Rack Mount	Rack Mount
2 G w/CF, 1 G w/HDD		2 G w/CF, 1 G w/HDD	2 G w/CF, 1 G w/HDD			
20 G w/HDD, 50 G w/CF		50 G w/CF, 20 G w/HDD	50 G w/CF, 20 G w/HDD	20 G w/HDD 50 G w/CF	20 G w/HDD 50 G w/CF	20 G w/HDD 50 G w/CF
16 ~ 36 V _{DC}	20 ~ 36 V _{DC}	9 ~ 36 V _{DC}	9 ~ 36 V _{DC}	9 ~ 36 V _{DC}	AC : 90 ~ 250 V _{AC} DC : 106 ~ 250 V _{DC}	9 ~ 36 V _{DC}
-20 ~ 55° C (-4 ~ 131° F)		-10 ~ 60° C (14 ~ 140° F)	-10 ~ 55° C (14 ~ 131° F)	UNO-3282 -20 ~ 60° C (-4 ~ 140° F) UNO-3272 -20 ~ 50° C (-4 ~ 122° F)	-20 ~ 55° C (-4 ~ 131° F)	-10 ~ 55° C (14 ~ 131° F)
		20 W	40 W	40 W	45 W	24 W (typical)
48 W, +24 V @ 2 A power input	96 W, +24 V @ 4 A power input	36 W, +24 V @ 1.5 A power input	96 W, +24 V @ 4 A power input	120 W +24 V @ 5 A power input	90-250 V _{AC} 47-400 Hz 1.6-0.8 A or 106-250 V _{DC} 1.6-0.8A	48 W +24 V @ 2 A power input
140 x 237 x 179 mm (5.5" x 9.3" x 7.0")	180 x 237 x 177 mm/ 193 x 237x 177 mm (7.1" x 9.3" x 7.0"/ 7.6" x 9.3" x 7.0")	157 x 238 x 177mm (6.2"x 9.3"x 7")	157 x 238 x 177 mm (6.2"x 9.3"x 7") (UNO-3082) 195 x 238 x 177mm (7.6"x 9.3"x 7") (UNO-3084)	200 x 240 x 130 mm (7.9" x 9.4" x 5")	440 x 220 x 88 mm (17.3" x 8.6" x 3.4")	440 x 220 x 44 mm (17.3" x 8.6" x 1.7")
4.4 kg	7.0 kg	4.5 kg	4.5 kg (UNO-3082) 5 kg (UNO-3084)	5.5 kg	6.0 kg	3.6 kg