

DELTA COMPONENTS - Box-PC's 3000 Serie

Fanless, Pentium M, PCI-Extension or CD/DVD Drive



The Fanless Box-PC series provides flexible, compact, housing-proven, highly reliable and durable computer systems for harsh environments. Within a flexible customization service the Fanless Box-PCs feature stand-alone operation, highly integration, compactness, an extremely rugged and reliable chassis, low power with good computing power and provide a target to penetrate vertical market applications. The 3300 model is specifically designed to adapt various power supplying conditions in vehicle environments. The user can control and manage the system's power, such as setting the system to boot after the car engine started, keep the system running after engine turned off, or even switch to optional power source from back-up battery and more.



Type	Fanless Box-PC 3100	Fanless Box-PC 3100P2	Fanless Box-PC 3110	Fanless Box-PC 3150
Features				
Main Board				
CPU	Intel Pentium M Intel Celeron M	Intel Pentium M Intel Celeron M	Intel Core 2 Duo / Core Duo / Core Solo Family	Intel Pentium M Intel Celeron M
2ndLevel Cache (kByte)	0 - 2,048KB	0 - 2,048KB	2MB - 4MB Cache	512 - 2,048KB
Clock (MHz)	600MHz - 1,8GHz	600MHz - 1,8GHz	1,06GB - 2x 2,33GHz	600MHz - 1,8GHz
Chipset	Intel 852GM	Intel 852GM	Intel 945GME / ICH7	Intel 852GM
Memory (MB)	128MB - 2GB	128MB - 2GB	2x 240 pin DDR2 (up to 3GB)	128MB - 2GB
Harddisk	1x 2,5"	1x 2,5"	1x 2,5"	1x 2,5"
Optical Drive	n/a	n/a	n/a	1x Slim DVD Combo
Video Controller	Intel 852GM	Intel 852GM	Intel 945GME	Intel 852GM
Video Memory	64MB	64MB	256MB	64MB
Video Interfaces	DVI TV-Out VGA/CRT	DVI TV-Out VGA/CRT	DVI TV-Out VGA/CRT	DVI TV-Out VGA/CRT
Resolution (mm)	1.600 x 1.200	1.600 x 1.200	1.600 x 1.200	1.600 x 1.200
Keyboard, Mouse	1x PS/2	1x PS/2	1x PS/2	1x PS/2
Serial Interface	3x RS-232 1x RS-422/ 485	3x RS-232 1x RS-422/ 485	3x RS-232 1x RS-422/ 485	3x RS-232 1x RS-422/ 485
Parallel Interface	yes (Internal Header)	yes (Internal Header)	yes (Internal Header)	1x Printer Port Out
USB	6x V2.0	6x V2.0	6x V2.0	6x V2.0
Firewire IEEE1394	n/a	n/a	n/a	n/a
IrDA	yes (Internal Header)	yes (Internal Header)	yes (Internal Header)	yes (Internal Header)
TV-Input/Framegrabber	no	no	no	no
LAN Ports	2x 10/ 100 Base-T	2x 10/ 100 Base-T	2x GB LAN	2x 10/ 100 Base-T
LAN Boot/Wake up	yes/yes	yes/yes	yes/yes	yes/yes
Audio Controller	AC 97	AC 97	AC 97	AC 97
Sound	Line-Out Mic-In	Line-Out Mic-In	Line-Out Mic-In	Line-Out Mic-In
Options	n/a	n/a	n/a	Slim DVD ROM
Power Input	12V DC - 30V DC	12V DC - 30V DC	12V DC - 30V DC	12V DC - 30V DC
Power Supply Adapter	AC Adapter 120W 100 - 240V AC In	AC Adapter 120W 100 - 240V AC In	AC Adapter 120W 100 - 240V AC In	AC Adapter 120W 100 - 240V AC In
Expansion	Compact Flash Card internal 1x PCI Slot internal	Compact Flash Card internal 2x PCI Slot internal	Compact Flash Card internal 1x PCI Slot internal	Compact Flash Card internal
Power Saving	Pentium M Speedstep	Pentium M Speedstep	Speedstep	Pentium M Speedstep
Conformity	CE/ FCC A	CE/ FCC A	CE/ FCC A	CE/ FCC A
Protection Class	IP40	IP40	IP40	IP40
Dimensions (mm)	195,0 x 268,0 x 80,0	195,0 x 268,0 x 107,0	195,0 x 268,0 x 80,0	195,0 x 268,0 x 80,0
Case	aluminium	aluminium	aluminium	aluminium
Colour	Outer SAND BLAST & ANODIZE COATING, Inner PANTONE 877U	Outer SAND BLAST & ANODIZE COATING, Inner PANTONE 877U	Outer SAND BLAST & ANODIZE COATING, Inner PANTONE 877U	Outer SAND BLAST & ANODIZE COATING, Inner PANTONE 877U
Weight	3,5Kg	3,5Kg	3,5Kg	3,5Kg
Operating Temperature	-5°C - 40°C (with HDD) -10°C - 45°C (with CF)	-5°C - 40°C (with HDD) -10°C - 45°C (with CF)	-5°C - 40°C (with HDD) -10°C - 45°C (with CF)	-5°C - 40°C (with HDD) -10°C - 45°C (with CF)
Storage Temperature	-20°C - 80°C	-20°C - 80°C	-20°C - 80°C	-20°C - 80°C
Operating Humidity	10% - 90% relative humidity non-condensing	10% - 90% relative humidity non-condensing	10% - 90% relative humidity non-condensing	10% - 90% relative humidity non-condensing
MTBF				
Verified Operating System	Windows 2000 / XP Linux	Windows 2000 / XP Linux	Windows 2000 / XP / Vista Linux	Windows 2000 / XP Linux
Cooling	fanless	fanless	fanless	fanless
Ordering Number	PKBX5050/5051/5052/5053/5054/5055	PKBX5016/5017/5018/5019/5020/5021	PKBX5070/5071/5072	PKBX5107/5108/5109/5113/5114/5115

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Type	Fanless Box-PC 3120	Fanless Box-PC 3200	Fanless Box-PC 3220	Fanless Box-PC 3300
Features				
Main Board				
CPU	AMD Geode LX800 (GX3)	Intel Pentium M Intel Celeron M	AMD Geode LX800 (GX3)	Intel Pentium M Intel Celeron M
2ndLevel Cache (kByte)	128kB L2 Cache	128kB L2 Cache	128kB L2 Cache	512kB L2 Cache
Clock (MHz)	500MHz	600MHz	500MHz	max. 1,8GHz
Chipset	AMD Geode CS5536	Intel 852GM	AMD Geode CS5536	Intel 852GM
Memory (MB)	256MB - 1GB	128MB-1GB	256MB - 1GB	256MB - 1GB
Harddisk	1x 2,5"	1x 2,5"	1x Slim DVD (optional 2nd Flor)	1x 1,8" / 2,5" HDD drive bay
Optical Drive	n/a	1 x Slim DVD (optional 2nd Flor)	1 x Slim DVD (optional 2nd Flor)	n/a
Video Controller	Geode	Intel 852GM	Geode	Intel 852GM
Video Memory	16MB	64MB	16MB	64MB
Video Interfaces	VGA/CRT	VGA/CRT LVDS internal	VGA/CRT LVDS internal	VGA/CRT LVDS
Resolution (mm)	1.600 x 1.200	1.600 x 1.200	1.600 x 1.200	1.600 x 1.200
Keyboard, Mouse	1x PS/2	1x PS/2	1x PS/2	1x PS/2
Serial Interface	4x RS-232	2x RS-232	2x RS-232	2x RS-232
		2x RS-422/ 485	2x RS-422/ 485	2x RS-422/ 485
Parallel Interface	1x Printer Port Out	1x LPT	1x LPT	1x LPT
USB	4x V2.0	4x V2.0	4x V2.0	2x V2.0
Firewire IEEE1394	1x	n/a	n/a	n/a
IrDA	yes (Internal Header)	yes (Internal Header)	yes (Internal Header)	n/a
TV-Input/Framegrabber	no	no	no	no
LAN Ports	2x 10/ 100 Base-T	2x 10/ 100 Base-T	2x 10/ 100 Base-T	1x 10/ 100 Base-T
LAN Boot/Wake up	yes/yes	yes/yes	yes/yes	yes/yes
Audio Controller	AC 97	AC 97	AC 97	AC 97
Sound	Line Out	Line In/Line Out	Line In/Line Out	Line In/Line Out
Options	n/a	Chassis Upgrade Kit w/easy expansion solution	Chassis Upgrade Kit w/easy expansion solution	Integrated GSM/GPRS and GPS modul for mobile communication and navigation, vibration bracket, external active cooling kit, cover kit for IP65 requirement
Power Input	12V DC	9V DC - 36V	9V DC - 36V	7 - 32V DC
Power Supply Adapter	AC Adapter 65W 100 - 240V AC In	n/a	n/a	n/a
Expansion	Compact Flash Card internal 1x MiniPCI Slot internal	1x PCMCIA external 2x CompactFlash internal+external 1xPC/104-Plus (with defined IO output) internal Memory Backup SRAM-NVRAM Socket internal 2nd Flor Case Expansion external	1x PCMCIA external 2x CompactFlash internal+external 1xPC/104-Plus (with defined IO output) internal Memory Backup SRAM-NVRAM Socket internal 2nd Flor Case Expansion external	1x PCMCIA 2x CompactFlash (internal+external) 1xPC/104-Plus with 1x PC/104 ISA and 1x PC/104 PCI 1x Mini PCI 1x NVRAM socket
Power Saving	n/a	Pentium M Speedstep	Pentium M Speedstep	Pentium M Speedstep
Conformity	CE/ FCC A	CE/ FCC A	CE/ FCC A	CE/FCC/eMark
Protection Class	IP40	IP40	IP40	IP40
Dimensions (mm)	195,0 x 268,0 x 80,0	260,0 x 176,0 x 55,0	260,0 x 176,0 x 55,0	260,0 x 176,0 x 70,0
Case	aluminium	aluminium	aluminium	aluminium
Colour	Outer SAND BLAST & ANODIZE COATING, Inner PANTONE 877U	Outer SAND BLAST & ANODIZE COATING, Inner PANTONE 877U	Outer SAND BLAST & ANODIZE COATING, Inner PANTONE 877U	Outer SAND BLAST & ANODIZE COATING, Inner PANTONE 877U
Weight	3,5Kg	3Kg	3Kg	3Kg
Operating Temperature	-5°C - 40°C (with HDD) -10°C - 45°C (with CF)	-5°C - 40°C (with HDD) -10°C - 45°C (with CF)	-5°C - 40°C (with HDD) -10°C - 45°C (with CF)	-5°C - 45°C (with HDD) -10°C - 50°C (with Automotive HDD) -10°C - 55°C (with CF)
Storage Temperature	-20°C - 80°C	-20°C - 80°C	-20°C - 80°C	-20°C - 80°C
Operating Humidity	10% - 90% relative humidity non-condensing	10% - 90% relative humidity non-condensing	10% - 90% relative humidity non-condensing	10% - 90% relative humidity non-condensing
MTBF				
Verified Operating System	Windows 2000 / XP Linux	Windows 2000 / XP Linux	Windows 2000 / XP Linux	Windows 2000 / XP Linux
Cooling	fanless	fanless	fanless	fanless
Ordering Number	PKBX5300	PKBX5250/5251	PKBX5200	PKBX5350/5351/5353/5354

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