

BM3600/S0



fanless

dustrial Au	tomation -	· Products & Configurations		
		BM3600/S0 D0 BASIC SYSTEM		
Basic	Configuration	Intel® Core™ i3-7100E 2,90 GHz • 4GB RAM • fanless • without predisposition to extractable drives • 24V DC isolated power without UPS • UBIQUITY BASIC Win32/64 runtime • 12 month warranty	supply •	56
		BM3600/S0 D1 BASIC SYSTEM		POWER [
Basic	Configuration	Intel® Core™ i3-7100E 2,90 GHz • 4GB RAM • fanless • with predisposition to 1 extractable drive • 24V DC isolated power sup without UPS • UBIQUITY BASIC Win32/64 runtime • 12 month warranty	oply •	56
		BM3600/S0 D2 BASIC SYSTEM		POWER [
Basic	Configuration	Intel® Core™ i3-7100E 2,90 GHz • 4GB RAM • fanless • with predisposition to 2 extractable drives • 24V DC isolated power su without UPS • UBIQUITY BASIC Win32/64 runtime • 12 month warranty		56
REMOTE ASSISTANCE	0 D1 D2	ASEM UBIQUITY BASIC Win32/64 runtime	4	
			4	
PROCESSORS	• • •	Intel [®] Core™ i3-7100E • 2,90 GHz • 3MB smart cache • 2 cores, 4 threads • Soldered on-board		
	• • •	Intel [®] Core™ i5-7440EQ • 2,90 GHz (3,60 GHz Turbo) • 6MB smart cache • 4 cores, 4 threads • Soldered on-board		+ 0
	• • •	Intel [®] Core™ i7-7820EQ • 3,00 GHz (3,70 GHz Turbo) • 8MB smart cache • 4 cores, 8 threads • Soldered on-board		+ 0
	• • •	4 GB • 1 module SODIMM DDR4-2133	¥	
AM MEMORY	• • •	8 GB • 2 x 4 GB modules SODIMM DDR4-2133		+ 1
	• • •	16 GB • 2 x 8 GB modules SODIMM DDR4-2133		+ 2
	• • •	32 GB • 2 x 16 GB modules SODIM DDR4-2133		+ 3
			Ŷ	13
TERNAL PSU	• • •	Without UPS (uninterruptible power supply)		
TERRIAL PSO		With UPS (uninterruptible power supply) • integrated in power supply section • batteries kit not included > note 1		
	• • •	······································		+ 1
	• • •	OPTIONS		
	D0 D1 D2	OPTIONS	•	POWER
ТРМ			•	
TPM CFAST	D0 D1 D2	OPTIONS	•	POWER
	D0 D1 D2 • • •	OPTIONS TPM - Trusted Platform Module	¥	POWER 0
CFAST	D0 D1 D2 • • •	OPTIONS TPM - Trusted Platform Module CFast SATA	↓ 	POWER 0 1
CFAST		OPTIONS TPM - Trusted Platform Module CFast SATA SSD on mSATA connector onboard, SATA		POWER 0 1
CFAST		OPTIONS TPM - Trusted Platform Module CFast SATA CFast SATA SSD on mSATA connector onboard, SATA 1 x HDD/SSD 2,5" SATA III internal installation kit (HDD/SSD not included) Content	↓ 	POWER 0 1 2 -
CFAST SSD mSATA		OPTIONS TPM - Trusted Platform Module		POWER 0 1 2 -
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CFAST SSD mSATA DD/SSD 2,5"		OPTIONS TPM - Trusted Platform Module CFast SATA SSD on mSATA connector onboard, SATA 1 x HDD/SSD 2,5" SATA III internal installation kit (HDD/SSD not included) 1 x HDD/SSD 2,5" SATA III extractable drawer (HDD/SSD not included) 2 x HDD/SSD 2,5" SATA III extractable drawer (HDD/SSD not included) SSD 2,5" SATA III extractable drawer (HDD/SSD not included) SSD 2,5" SATA III extractable drawer (HDD/SSD not included) SSD 2,5" SATA HDD 2,5" SATA		POWER 0 1 2 - - - 5 6
CFAST SSD mSATA DD/SSD 2,5"		OPTIONS TPM - Trusted Platform Module CFast SATA SSD on mSATA connector onboard, SATA 1 x HDD/SSD 2,5" SATA III internal installation kit (HDD/SSD not included) 1 x HDD/SSD 2,5" SATA III extractable drawer (HDD/SSD not included) 2 x HDD/SSD 2,5" SATA III extractable drawer (HDD/SSD not included) SSD 2,5" SATA III extractable drawer (HDD/SSD not included) SSD 2,5" SATA III extractable drawer (HDD/SSD not included) SSD 2,5" SATA III extractable drawer (HDD/SSD not included) SSD 2,5" SATA HDD 2,5" SATA 1 x RS232/422/485 (DB15M) • 1 x USB 2.0 > note 2		POWER 0 1 2 - - 5 6 1
CFAST SSD mSATA DD/SSD 2,5"	D0 D1 D2 • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • •	OPTIONS TPM - Trusted Platform Module CFast SATA SSD on mSATA connector onboard, SATA 1 x HDD/SSD 2,5" SATA III internal installation kit (HDD/SSD not included) 1 x HDD/SSD 2,5" SATA III extractable drawer (HDD/SSD not included) 2 x HDD/SSD 2,5" SATA III extractable drawer (HDD/SSD not included) SSD 2,5" SATA III extractable drawer (HDD/SSD not included) 2 x HDD/SSD 2,5" SATA III extractable drawer (HDD/SSD not included) SSD 2,5" SATA HDD 2,5" SATA 1 x RS232/422/485 (DB15M) • 1 x USB 2.0 > note 2 1 x RS232/422/485 (DB15M) isolated • 1 x USB 2.0 > note 2		POWER 0 1 2 5 6 1 1 1
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CFAST SSD mSATA DD/SSD 2,5" MMUNICATION PORTS FIELDBUS EMOTE VIDEO	D0 D1 D2 • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • •	OPTIONS TPM - Trusted Platform Module CFast SATA CFast SATA SSD on mSATA connector onboard, SATA SSD on mSATA connector onboard, SATA 1 x HDD/SSD 2,5" SATA III internal installation kit (HDD/SSD not included) 1 x HDD/SSD 2,5" SATA III extractable drawer (HDD/SSD not included) 2 x HDD/SSD 2,5" SATA III extractable drawer (HDD/SSD not included) SSD 2,5" SATA III extractable drawer (HDD/SSD not included) SSD 2,5" SATA HDD/SSD 2,5" SATA HDD/SSD 2,5" SATA I x RS232/422/485 (DB15M) • 1 x USB 2.0 > note 2 1 x RS232/422/485 (DB15M) isolated • 1 x USB 2.0 > note 2 1 x RS232 (DB9M) > note 2 2 x USB 2.0 > note 2 1 x NETCore X card with "60pin-H" connector > note 2 1 x additional video output RVL - Remote Video Link • Remotation up to 100m of DVI-D and USB 2.0 signals • without cables > note 3 2 x additional video output RVL - Remote Video Link • Remotation up to 100m of DVI-D and USB 2.0 signals • without cables > note 3 2 x additional video output RVL - Remote Video Link • Remotation up to 100m of DVI-D and USB 2.0 signals • without cables > note 3		POWER 0 0 1 1 2

NOTES

The power consumption of the configuration takes into consideration the maximum absorbed power of every component and does not include the consumption of the devices connected to the USB ports.

1: UPS module is supported by Microsoft Win32/64 operating systems.

2: Communication boards cannot be installed together.

3: RVL potion is in addition to the DVI-D video output on the motherboard, allows the installation of max 1 extractable drawer and have to be connected to a MHR100 or MKR100 monitor or an external RVL module.



CUL US LISTED



BM3600/S0 fanless

TECHNICAL SPECIFICATIONS					
	Wall book mounting				
Overall dimensions & weight	See details on the related section				
Power supply	24VDC isolated • Input voltage: 18÷32V DC				
UPS (optional)	12V DC UPS (Uninterruptible Power Supply) battery backup system				
	Batteries module (optional): Pb, 12V/13A max, 2500mA/h • Charge time 3h@25°C • Discharge time 15′@5A and 25°C • Lifetime 10years@25°C				
Motherboard	"All-In-One" type • ASEM 1371				
Watch dog	Time programmable				
Intel platform Processor	Intel [®] Core™ seventh generation 35/45W				
	Intel [®] HM175 PCH (Platform Controller Hub)				
	Microsoft Windows 10 IoT Enterprise 2016 64bit • Linux				
ASEM	Other operating systems, such as VxWorks, QNX, etc., have not been certified by ASEM but they are reasonably supported by the Intel platform after verification of compatibility				
O.S. not supported by Intel platform	Microsoft Windows 8.1 / 7 Pro/Ultimate / 2000 / 98 / NT • Microsoft Windows Embedded Standard 7E/7P • Microsoft Windows CE 5 / 6 / 7				
Software Remote assistance	ASEM UBIQUITY BASIC Win32/64 runtime license with ASEM sticker				
Video controller	Intel [®] HD Graphics 630 integrated into Intel [®] Core™ microprocessor • 950MHz/ 1GHz				
Video RAM (shared)	Dynamic Video Memory Technology • Memory quantity is automatically selected by operating system				
System memory	DDR4-2133 type • 2 SODIMM modules • min 4GB • max 32GB				
Mass storage interfaces	2 x SATA III, 6Gb/s • 1 x mSATA SATA III, 6Gb/s				
RAID controller	Integrated into chip Intel [®] HM175 PCH • Raid 0, 1				
ТРМ	2x10 (2,54) Pin-strip connector for optional TPM module				
Front signalling (LED)	Power ON • UPS • HDD activity • Over temperature / Battery fault • Watchdog / Reset factory default				
Front buttons (with open door)	Power ON • System Reset • Watchdog Reset • Factory Default Reset				
	4 x Ethernet 10/100/1000 Mbps (RJ45), 3 x Intel® I210, 1 x Intel I219LM • 2 x USB 3.0 (Type A) • 2 x USB 2.0 (Type A) • 1 x RS232 (DB9M) • 1 x DVI-D Single Link (max resolution: 1920x1080 FullHD)				
optional	1 or 2 x RVL OUT (R345), remotation (TX) up to 100 m of video DVI-D and USB 2.0 signals				
On Front I/F (with open front door)	1 x slot CFast (bootable) • 1 x system battery slot (CR2032) • 1 x USB 3.0				
Environmental specifications	Operating temperature: 0°C÷+50°C, 0°C÷+45°C with 24x7 HDD or with Core i7 processor, +5°C÷+45°C with standard HDD • Storage temperature: -10° ÷ +60°C • Humidity: 80% (non-condensing)				
Approvals	CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1) • CULus LISTED (UL61010) pending				
Standard warranty	12 months • Warranty management by ASEM headquarters				

