January 25, 2022

To all of our customers and partners;

Re: Hardware Change notice. Motherboard, CPU, Graphics card, OS drive.

This is an official hardware change notice for i3's U20, U30/U3i and UR-series of NVRs.
Please refer to the reference table below for the component change comparison.

Intel M10JNP2SB Motherboard.

Please note that due to the global computer component shortages, i3's current DFI motherboard (CMS310-W480E, i3 Edition) is being *temporarily* replaced with the Intel M10JNP2SB model effective immediately. Once the supply chain delays are resolved, production will revert to the DFI CMS310-W480E model. Separate announcement will follow.

Intel M10JNP2SB motherboard features 8 SATA 3.0 inputs, 4 USB 3.1 ports and quad NIC card. LAN ports #3 and 4 will be used for HR16 v2 connections, where applicable. Intel M10JNP2SB motherboard supports up to 128GB of RAM. This motherboard supports 3 display outputs: 1 VGA, and 2 Dual-Mode DisplayPorts (4K-ready). All three video outputs can be used simultaneously.

Motherboard specification comparison:

	Current: DFI CMS310-W480E (i3 Edition)	**New, Temporary: INTEL M10JNP2SB**
Back panel		
Form factor	microATX	microATX
CPU Supported	10th Generation Intel Core, Intel Xeon W Processor	9th Generation Intel Core Intel Xeon E Processor
LAN	Dual NIC	Quad NIC
On-board Video	- VGA - HDMI (4K-ready) - Display Port++ (4K-ready) Note: HDMI to HDMI cable included in the NVR accessories	- VGA - Display Port++ (4K-ready) x2 Note: DP++ to HDMI 6ft M/M cable included in the NVR accessories. i3 Part number: BA61
On-board Audio	Mic, Line Out – built-in	None
USB 3.1	0	4
USB 3.2 Gen1	2	0
USB 3.2 Gen2	2	0
SATA 3.0	4	8
m.2 Support	1	0

PCIe x16, PCIe x8, PCIe x4	2, 0, 2	1, 2, 0
Max. RAM supported	128GB	128GB
OS Supported	Windows 10 IoT Enterprise 64-bit	Windows 10 IoT Enterprise 64-bit

CPU transitions.

Please note that due to the global computer component shortages and the temporary use of the Intel M10JNP2SB model, the CPU lineup must temporarily be changed as per the table below.
Please note that Xeon E-2134 and Xeon E-2136 CPU models do not support on-board (built-in) graphics and will require the use of an expansion graphics card.
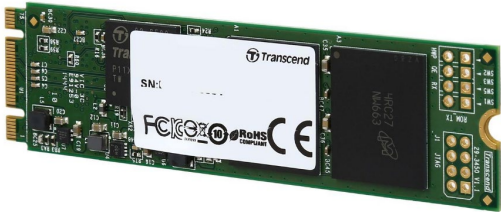
CPU component comparison, based on Server model:

Component	Current	New, Temporary
i5 CPU (U20, UR5, UR5-Ai)	i5-10500 (10th generation)	i5-9400 (9th generation)
Image		
Xeon CPU (U30, URX)	Xeon W-1270	Xeon E-2134; Xeon E-2136
Image		
Xeon CPU (U3i, URX-Ai)	Xeon W-1270	Xeon E-2144G; Xeon E-2126G
Image		

OS drive transition.

Please note that due to the global computer component shortages and the temporary use of the Intel M10JNP2SB model, the OS drive must temporarily be changed as per the table below.
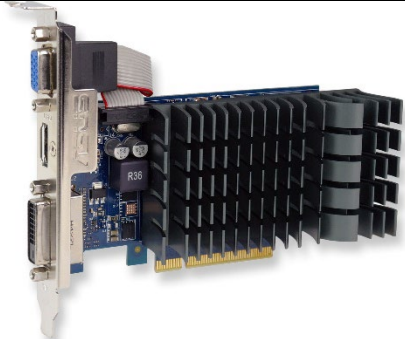
OS drive comparison:

Component	Current	New, Temporary
OS drive	m.2 Transcend TS256GMTS800, 256GB	Kingston SEDC500R, 480GB
Image		

Graphics transition.

Please note that due to the global computer component shortages and the temporary use of the Xeon E-2134 and Xeon E-2136 CPU models, U30 and URX server models require the use of an expansion graphics card.

Graphics component comparison, limited Server model only:

Component	Current	New, Temporary
Video output U30 & URX only	DFI CMS310-W480E on-board built-in	Asus VCX GT730-SL
Image		

All new components meet or exceed i3's rigorous functionality and durability standards and will ensure that i3's NVR lines continues delivering the best performance in its class.

With any pricing questions, kindly contact our Customer Care department at 1.866.840.0004.
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