

Letter of Volatility

Intel® Network Adapters

Ethernet Networking Division (ND)

October 2017



LEGAL

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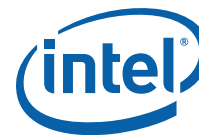
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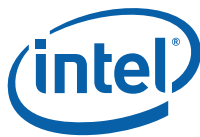
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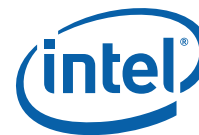
1.0 Introduction

The following table lists the Intel® Network Adapters that conform to the following statement of volatility. All of the following adapters have been designed with at least one non-volatile EEPROM/NVM per device and one non-volatile Flash for storage of the firmware required to run the Ethernet chips on the board. Some of the listed adapters require an additional non-volatile EEPROM/NVM for the firmware to operate either a bridge or switch chip, Field Replaceable Unit (FRU) Vital Product Data (VPD) or data for operating a BMC. No design to store user data to these memories was considered and no typical user would have the capability to enable data to be stored on those memories.

Network Adapter	Network Adapter
IBM TVL 2x10GBASE-T Riser	IBM Niantic 2x10 Gb SFP+ Riser Board
Intel® Ethernet Server BLOM I350-KX Intel® PRO/1000 MF Server Adapter	Intel® Ethernet Server Adapter I340-T4
Intel® Ethernet Server Adapter I340-T2	Intel® Ethernet Server Adapter I340-F4
Intel® Ethernet Server Bypass Adapter X520-LR2	Intel® Ethernet Server Bypass Adapter X520-SR2
Intel® Ethernet Server Bypass Adapter X520-SR2	Intel® Ethernet Server Adapter I210-T1
Intel® Ethernet Server Bypass Adapter X540-T2	Intel® Ethernet 10GBT DP EMBD CNA X540-T2
Intel® 10 Gigabit XF LR Server Adapter	Intel® PRO/1000 PF Dual Port Adapter
Intel® 10 Gigabit XF Server Adapter	Intel® 10 Gigabit CX4 Dual Port Server Adapter
Intel® SR Server Adapter	HP Ethernet 10 Gb 2-port 561FLR-T Adapter
Intel® PRO/1000 PF Quad Port Server Adapter	Intel® 10 Gigabit AT2 Server Adapter
Intel® PRO/1000 GT Dual Port Server Adapter	Intel® Converged Network Adapter
Intel® Ethernet Server Adapter X520-DA10CP2	Intel® Ethernet Server Adapter X520-DA10CP3
Intel® Ethernet Server Adapter X520-DA10CP	Intel® Ethernet Server rNDC I350-T4
Intel® PRO/1000 PT Quad Port Bypass Adapter	Intel® PRO/1000 MT Dual Port Server Adapter
Intel® PRO/1000 MF Dual Port Server Adapter	Intel® Ethernet Mezzanine Adapter I520-KR2
Intel® Ethernet Server ALOM I520-DA2	Intel® Ethernet Server ALOM I520-DA1
Intel® 10 GbE 4P X520/I350 rNDC	Intel® PRO/1000 MT Server Adapter
Intel® PRO/1000 GT Server	Intel® Gigabit ST Dual Port Mezzanine
Intel® PRO/1000 PT Server Adapter	Intel® Ethernet Server bNDC X710
Intel® Ethernet 10G 2P X520-K BNDC	Intel® 10 Gigabit XF SR Dual Port Server Adapter
Intel® Ethernet Server Adapter X520-T2	Intel® PRO/1000 PF Quad Port Bypass



Network Adapter	Network Adapter
Intel® Adapter PRO/1000 MT Quad Port Server Adapter	Intel® PRO/1000 GT Quad Server Adapter
Intel® PRO/1000 GT Quad Server Adapter	Intel® PRO/1000 PT Quad Server Adapter
Intel® Quad Port Server Adapter	Intel® PRO/1000 PT Quad Port LP Server Adapter
Intel® 10 Gigabit AF DA Dual Port Server Adapter	Intel® 10 Gigabit SR Dual Port Exp Mod
Intel® Gigabit EF Dual Port Server Adapter	NetEffect® Ethernet Server Cluster Adapter SFP+ SR
NetEffect® Ethernet Server Cluster Adapter DA	Intel® Ethernet Server ALOM I350-T4
Intel® Gigabit PT Quad Port Server Express Module	Intel® Gigabit ET Quad Port Server Adapter
Intel® Gigabit ET Dual Port Server Adapter	Intel® PRO/1000 PF Server Adapter
Intel® Ethernet Server BLOM X520-KR	Intel® Gigabit CT Desktop Adapter
Intel® PRO/1000 PT DP Adapter	Intel® Ethernet Server Adapter X520-SR2
Intel® Ethernet Converged Network Adapter X520 - SR2	Intel® Ethernet 10GSFP+ DP EMBD CNA X520-2
Intel® Ethernet Converged Network Adapter X520 - SR1	Intel® Ethernet Modular Optical Cable 1M
Intel® Ethernet Converged Network Adapter X520 - LR1	Intel® Ethernet Modular Optical Cable 3M
Intel® Ethernet Converged Network Adapter X520 - DA2	Intel® Ethernet Modular Optical Cable 5M
Intel® Ethernet Converged Network Adapter X520 - DA1	Intel® Ethernet Modular Optical Cable 10M
Intel® Ethernet Converged Network Adapter X520 - Pluggable	Intel® Ethernet Modular Optical Cable 15M
Intel® Ethernet Converged Network Adapter X710-DA4	Intel® Ethernet Modular Optical Cable 30M
Intel® Ethernet Converged Network Adapter X710-DA2 LPB	Intel® Ethernet Modular Optical Cable 40M
Intel® Ethernet Converged Network Adapter X710-DA2 FHE	Intel® Ethernet Modular Optical Cable 50M
Intel® Ethernet Converged Network Adapter XL710-QDA1	Intel® Ethernet Converged Network Adapter XL710-QDA2
Intel® QuickAssist Adapter 8920-SCC	Intel® Ethernet Modular Optical MTP Patch Cable 1M
Intel® Ethernet Modular Optical MTP Patch Cbl 3M	Intel® Gigabit CT2 Desktop Adapter
Intel® Ethernet 40G Mod Optic Transceiver	Intel® 10G Ethernet Server Adapter X520-DA2 for HP
Intel® Ethernet Server bNDC I350-KX	Intel® Ethernet Converged Network Adapter X520-QDA1
Intel® PRO/1000 PT Dual Port Adapter	Intel® Ethernet SFP+ SR Optics
Intel® Gigabit CT Desktop Adapter	Intel® Ethernet SFP+ LR Optics
Intel® Ethernet QSFP+ SR Optics	Intel® Ethernet Server Adapter X520-P2



Network Adapter	Network Adapter
Intel® QuickAssist Adapter 8950-SCCP	Intel® Ethernet Converged Network Adapter X540-T2
Intel® Ethernet Converged Network Adapter X540-T1	Intel® Ethernet Converged Network Adapter X540-T2
Intel® PRO/1000 PF Server Adapter	Intel® Ethernet Server Adapter X520-DA2
Intel® Ethernet Server Adapter X520-DA1	Intel® PRO/1000 GT Desktop Adapter
Intel® Ethernet X520 10GbE DP KX4/KR Mezzanine	Intel® Ethernet Server Adapter I350-DA4 LP Plug
Intel® Eth Server Adapter I350-DA4 LP OEM Plug	Intel® Ethernet Server Adapter I350-F2
Intel® Ethernet Server Adapter I350-F1	Intel® Ethernet Server Adapter I350-Q4
Intel® Ethernet Server Adapter I350-T2	Intel® Ethernet Server Adapter I350-T4
Intel® Ethernet Server Adapter I350-F4	Intel® Ethernet Server Adapter i350-F4
Intel® Ethernet Controller X710 for 10 Gigabit SFP+	Intel® Ethernet Server Adapter ALOM I350-T4
Intel® Gigabit ST Quad Port Mezzanine	Intel® Gigabit ET Quad Port Mezzanine Card
Intel® Ethernet Server Adapter X540-T2	Intel® Ethernet Converged Network Adapter X540-T1
Intel® Ethernet Server Adapter X540-T1	Intel® Ethernet MEZZ Adapter I350-KX
Intel® 10 Gigabit Mezzanine Card	Intel® Ethernet Server rNDC X540-T2
Intel® Ethernet Server rNDC X710/I350	Intel® Ethernet Server rNDC X710
Intel® Ethernet SFP+ Twinaxial Cables	Intel® Ethernet QSFP+ Twinaxial Cable
Intel® Ethernet QSFP+ Breakout Cable	Chelsio* Terminator 5 (RDMA) T580-LP-CR (QSFP+)
Chelsio* Terminator 5 (RDMA) T520-CR (SFP+)	Intel® Ethernet Converged Network Adapter X710-4
Intel® Ethernet Converged Network Adapter X710-2	Intel® 10 GbE 4P X710 Adapter
Intel® 10 GbE 2P X710 Adapter	Lenovo* ThinkServer X710-4 AnyFabric for 10 GbE SFP+
Lenovo ThinkServer X710-2 AnyFabric for 10 GbE SFP+	Intel® Ethernet I/O Module XL710-QDA2
Intel® Ethernet I/O Module XL710-QDA1	Sun* Dual 10GbE PCIe 2.0 FEM
Intel® Gigabit ET2 Quad Port Server Adapter	Intel® Ethernet Network Connection OCP X557-T2
Intel® Ethernet Network Connection OCP X557-T4	Intel® Ethernet Server rNDC X550-T2/I350-T2
Intel® Eth Mezzanine Adapt X710 for Lenovo*	Intel Ethernet Converged Network Adapter X550-T2
Intel Ethernet Converged Network Adapter X550-T1	Intel® Ethernet Server rNDC X550-T4
Intel® Ethernet 25G SFP28 SR Optics	Intel® Ethernet Server Adapter XL710-QDA2 for OCP



Network Adapter	Network Adapter
Intel® Ethernet Server Adapter XL710-QDA1 for OCP	Intel® Ethernet Network Connection OCP I357-T4
Intel® Ethernet Server Adapter X710-DA2 for OCP	Intel® Eth 20Gb 2-port 660M Adapter
Intel® Eth Network Adptr XXV710-DA1	Intel® Eth Network Adptr XXV710-DA2
Intel® Eth 20Gb 2-port 660FLB Adapter	Intel® Eth Converged Nw Adapter X710-T4
Intel® Ethernet Converged Network Adapter X710-DA4	
Intel® Ethernet Network Connection OCP X527-DA2	Intel® Ethernet QSFP28 to SFP28 Twinaxial Breakout Cable
Intel® Ethernet SFP28 Twinaxial Cable	Intel® Ethernet SDI Adapter FM10420-100GbE-QDA2
Intel® Ethernet Network Adapter X722-DA2	Intel® Ethernet Network Adapter X722-DA4
Intel® QuickAssist Adapter 8960	Intel® QuickAssist Adapter 8970
Intel® Ethernet SDI Adapter FM10840-MTP2 - AFCI	Intel® Ethernet SDI Adapter FM10840-MTP2 - Finisar
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	