

HP StorageWorks Tape Automation  
EML E-Series drive upgrade matrix

EML E-Series | ESL E-Series

Upgrade to drive	Ultrium 960-FC (Native FC)	Ultrium 1840-FC (Native FC)	Mixed Drives Ultrium 960-FC and Ultrium 1840-FC
Library			
EML 71e LTO-3	Supported	Supported	Supported
requires	<b>AD568A</b> EML E-Series Ultrium 960-FC Drive Upgrade Kit (see note 1)	<b>AH682A</b> EML E-Series Ultrium 1840-FC Drive Upgrade Kit (see note 3)	<b>T3664A</b> License for Secure Manager Tape Library Software for EML (see note 2)
EML 71e LTO-4	Supported	Supported	Supported
requires	<b>AD568A</b> EML E-Series Ultrium 960-FC Drive Upgrade Kit (see note 1)	<b>AH682A</b> EML E-Series Ultrium 1840-FC Drive Upgrade Kit	<b>T3664A</b> License for Secure Manager Tape Library Software for EML (see note 2)
EML 103e	Supported	Supported	Supported
requires	<b>AD568A</b> EML E-Series Ultrium 960-FC Drive Upgrade Kit (see note 1)	<b>AH682A</b> EML E-Series Ultrium 1840-FC Drive Upgrade Kit (see note 3)	<b>T3664A</b> License for Secure Manager Tape Library Software for EML (see note 2)
EML 245e	Supported	Supported	Supported
requires	<b>AD568A</b> EML E-Series Ultrium 960-FC Drive Upgrade Kit (see note 1)	<b>AH682A</b> EML E-Series Ultrium 1840-FC Drive Upgrade Kit (see note 3)	<b>T3664A</b> License for Secure Manager Tape Library Software for EML (see note 2)
EML 348e	Supported	Supported	Supported
requires	<b>AD568A</b> EML E-Series Ultrium 960-FC Drive Upgrade Kit (see note 1)	<b>AH682A</b> EML E-Series Ultrium 1840-FC Drive Upgrade Kit (see note 3)	<b>T3664A</b> License for Secure Manager Tape Library Software for EML (see note 2)
EML 375e	Supported	Supported	Supported
requires	<b>AD568A</b> EML E-Series Ultrium 960-FC Drive Upgrade Kit (see note 1)	<b>AH682A</b> EML E-Series Ultrium 1840-FC Drive Upgrade Kit (see note 3)	<b>T3664A</b> License for Secure Manager Tape Library Software for EML (see note 2)
EML 442e	Supported	Supported	Supported
requires	<b>AD568A</b> EML E-Series Ultrium 960-FC Drive Upgrade Kit (see note 1)	<b>AH682A</b> EML E-Series Ultrium 1840-FC Drive Upgrade Kit (see note 3)	<b>T3664A</b> License for Secure Manager Tape Library Software for EML (see note 2)
EML 469e	Supported	Supported	Supported
requires	<b>AD568A</b> EML E-Series Ultrium 960-FC Drive Upgrade Kit (see note 1)	<b>AH682A</b> EML E-Series Ultrium 1840-FC Drive Upgrade Kit (see note 3)	<b>T3664A</b> License for Secure Manager Tape Library Software for EML (see note 2)
EML 505e	Supported	Supported	Supported
requires	<b>AD568A</b> EML E-Series Ultrium 960-FC Drive Upgrade Kit (see note 1)	<b>AH682A</b> EML E-Series Ultrium 1840-FC Drive Upgrade Kit (see note 3)	<b>T3664A</b> License for Secure Manager Tape Library Software for EML (see note 2)
Notes:			
1. Ultrium 960FC drives require the e2400FC 2G Interface Controller <b>AD567A</b> or the e2400FC 4G Interface Controller <b>AD569A</b>			
2. The Secure Manager TL license is required to enable library partitioning, which is needed for implementing mixed media tape libraries			
3. Each EML E-Series tape library with one or more Ultrium 1840FC drives requires one <b>AJ001A</b> Internal Network Kit			

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ESL E-Series drive upgrade matrix

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Upgrade to drive	SDLT 600	Ultrium 960FC	Ultrium 1840FC	Mixed Drives
	(Ultra 320 SCSI)	(Native FC)	(Native FC)	SDLT & LTO
Library (Media Type)				
ESL 712e (Ultrium)	Supported	Supported	Supported	Supported
requires	<b>AA946A</b> ESL E-Series SDLT 600 Drive Upgrade Kit <b>343376-B21</b> License for Secure Manager Tape Libraries (see note 5) <b>AD547A</b> SDLT mixed media kit (see note 7)	<b>AA595A</b> ESL E-Series Ultrium 960-FC Drive Upgrade Kit (see notes 2 and 4)	<b>AH194A</b> ESL E-Series Ultrium 1840FC Drive Upgrade Kit (see notes 4 and 6)	<b>343376-B21</b> License for Secure Manager Tape Libraries (see note 5) and <b>AD547A</b> SDLT mixed media kit (see note 7)
ESL 322e (Ultrium)	Supported	Supported	Supported	Supported
requires	<b>AA946A</b> ESL E-Series SDLT 600 Drive Upgrade Kit <b>343376-B21</b> License for Secure Manager Tape Libraries (see note 5) <b>AD547A</b> SDLT mixed media kit (see note 7) <b>AA942A</b> (Quantity 3) Licensed Capacity Panel Upgrade for ESL E-Series	<b>AA595A</b> ESL E-Series Ultrium 960-FC Drive Upgrade Kit (see notes 2 and 4)	<b>AH194A</b> ESL E-Series Ultrium 1840FC Drive Upgrade Kit (see notes 4 and 6)	<b>343376-B21</b> License for Secure Manager Tape Libraries (see note 5), <b>AD547A</b> SDLT mixed media kit (see note 7), and enough <b>AA942A</b> Capacity Panel Upgrades to enable all slots in the library
ESL 630e (SDLT)	Supported	Supported	Supported	Supported
requires	<b>AA946A</b> ESL E-Series SDLT 600 Drive Upgrade Kit	<b>AA595A</b> ESL E-Series Ultrium 960-FC Drive Upgrade Kit (see note 2) <b>343376-B21</b> License for Secure Manager Tape Libraries (see note 5) <b>AD546A</b> Ultrium mixed media kit	<b>AH194A</b> ESL E-Series Ultrium 1840FC Drive Upgrade Kit (see note 6) <b>343376-B21</b> License for Secure Manager Tape Libraries (see note 5) <b>AD546A</b> Ultrium mixed media kit	<b>343376-B21</b> License for Secure Manager Tape Libraries (see note 5) and <b>AD546A</b> Ultrium mixed media kit
ESL 286e (SDLT)	Supported	Supported	Supported	Supported
requires	<b>AA946A</b> ESL E-Series SDLT 600 Drive Upgrade Kit	<b>AA595A</b> ESL E-Series Ultrium 960-FC Drive Upgrade Kit (see notes 2 and 4) <b>343376-B21</b> License for Secure Manager Tape Libraries (see note 5) <b>AD546A</b> Ultrium mixed media kit <b>AA942A</b> (Quantity 3) Licensed Capacity Panel Upgrade for ESL E-Series	<b>AH194A</b> ESL E-Series Ultrium 1840FC Drive Upgrade Kit (see note 6) <b>343376-B21</b> License for Secure Manager Tape Libraries (see note 5) <b>AD546A</b> Ultrium mixed media kit <b>AA942A</b> (Quantity 3) Licensed Capacity Panel Upgrade for ESL E-Series	<b>343376-B21</b> License for Secure Manager Tape Libraries (see note 5), <b>AD546A</b> Ultrium mixed media kit, and enough <b>AA942A</b> Capacity Panel Upgrades to enable all slots in the library
Notes:	<p>1. e2400-160 FC Interface Controller AA960A is the Ultra3 embedded interface Controller for ESL E-Series</p> <p>2. Ultrium 960FC drives require the e2400FC 2G Interface Controller <b>AA928A</b> or the e2400FC 4G Interface Controller <b>AD576A</b></p> <p>3. The ESL E-Series tape libraries requires one Drive cluster (<b>AA938A</b>) for four drives, addition of fifth to eighth drive requires a second drive cluster, ninth to twelfth drive requires third drive cluster</p> <p>4. Mixing Native FC Ultrium drives with SCSI drives in the same library requires a minimum of two drive clusters if the library has a dedicated FC port for the robotics controller.</p> <p>5. The Secure Manager TL license is required to enable library partitioning, which is needed for implementing mixed media tape libraries</p> <p>6. Each ESL E-Series tape library with one or more Ultrium 1840FC drives requires one <b>AH997A</b> Internal Network Kit</p> <p>7. This product is no longer sold by HP. It is included here for completeness.</p>			