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42C1780 – IBM NIC 1GbE RJ-45 2-P PCI-E-2.0x4 NetXtreme II 1000 CNTLR

✓ Government record, cited

IBM · NETWORK · 1GBE_NIC

PRODUCT OVERVIEW

42C1780: IBM NIC 1GbE RJ-45 2-P PCI-E-2.0x4 NetXtreme II 1000 CNTLR.

IBM NIC 1GbE RJ-45 2-P PCI-E-2.0x4 NetXtreme II 1000 CNTLR. Key specifications include OVERALL WIDTH: 4.750 INCHES NOMINAL IN, OVERALL HEIGHT: 4.750 INCHES NOMINAL IN, OVERALL LENGTH: 0.750 INCHES NOMINAL IN, END ITEM IDENTIFICATION: COMPUTER, PART NAME ASSIGNED BY CONTROLLING AGENCY: EXPRESS DUAL PORT ETHERNET ADAPTER. This part is cataloged in the U.S.

Government catalog under NSN 5998-01-619-3757, indicating validated use in U.S. government and defense logistics supply chains. Available through authorized enterprise resellers and TPM (Third Party Maintenance) channels.

Verify compatibility with your specific system configuration before ordering.

WHERE IT FITS

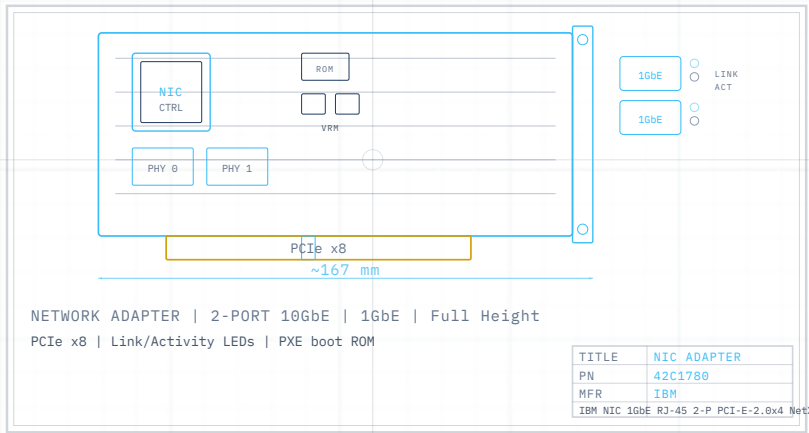
NETWORK → 1GBE_NIC → 42C1780

NSN: 5998-01-619-3757
FSC: 5998 — Electrical and Electronic Assemblies, Boards, Cards, and Associated Hardware
CAGE: 30874 — INTERNATIONAL BUSINESS MACHINES CORPORATION DBA IBM (USA)

SPECIFICATIONS

OVERALL WIDTH	4.750 INCHES NOMINAL IN
OVERALL HEIGHT	4.750 INCHES NOMINAL IN
OVERALL LENGTH	0.750 INCHES NOMINAL IN
END ITEM IDENTIFICATION	COMPUTER
PART NAME ASSIGNED BY CONTROLLING AGENCY	EXPRESS DUAL PORT ETHERNET ADAPTER
NSN	5998-01-619-3757

COMPONENT DIAGRAM



KEY FEATURES

- 1GbE Interface
- 1GB Capacity

TYPICAL APPLICATIONS

- Data center top-of-rack switching
- High-speed server interconnects (10G/25G/40G/100G)
- Storage network fabric (iSCSI, FCoE)
- Campus and branch network infrastructure
- Firewall and security appliance connectivity
- WAN edge and SD-WAN deployments

TECHNICAL CHARACTERISTICS

OVERALL HEIGHT	4.750 INCHES NOMINAL IN
OVERALL LENGTH	0.750 INCHES NOMINAL IN
OVERALL WIDTH	4.750 INCHES NOMINAL IN
PART NAME ASSIGNED BY CONTROLLING AGENCY	EXPRESS DUAL PORT ETHERNET ADAPTER
END ITEM IDENTIFICATION	COMPUTER

OTHER ITEMS IN FSC 5998 — ELECTRICAL AND ELECTRONIC ASSEMBLIES, BOARDS, CARDS, AND ASSOCIATED HARDWARE

Items in the same Federal Supply class. No interchangeability or substitution relationship is implied.

- 5998-00-000-0087
- 5998-00-000-0089
- 5998-00-000-0154
- 5998-00-000-0173

5998-00-000-0175

5998-00-000-0177

5998-00-001-1267

5998-00-001-1271

SUBSTITUTES & CROSS-REFERENCES 7

49Y4205 Substitute BROKER-VERIFIED
IBM NIC 1GbE RJ-45 2-P PCI-E-2.0x4 NetXtreme II
1000 CNTLR
substitute

49Y7946 Substitute BROKER-VERIFIED
IBM NIC 1GbE RJ-45 2-P PCI-E-2.0x4 NetXtreme II
1000 CNTLR
substitute

42C1782 Substitute BROKER-VERIFIED
IBM NIC 1GbE RJ-45 2-P PCI-E-2.0x4 NetXtreme II
1000 CNTLR
substitute

42C1783 Substitute BROKER-VERIFIED
IBM NIC 1GbE RJ-45 2-P PCI-E-2.0x4 NetXtreme II
1000 CNTLR
substitute

49Y4204 Substitute BROKER-VERIFIED
IBM NIC 1GbE RJ-45 2-P PCI-E-2.0x4 NetXtreme II
1000 CNTLR
substitute

42C1781 Substitute BROKER-VERIFIED
IBM NIC 1GbE RJ-45 2-P PCI-E-2.0x4 NetXtreme II
1000 CNTLR
substitute

LIFECYCLE

NSN status Active · U.S. Government catalog

No demilitarization required

THIS PART SUBSTITUTES FOR 7

42C1781 SUBSTITUTE
IBM NIC 1GbE RJ-45 2-Port PCI-E-2.0x4 NetXtreme II 1000 Express Controller (BCM5709C) - Option IBM

42C1782 SUBSTITUTE
IBM NIC 1GbE RJ-45 2-Port PCI-E-2.0x4 NetXtreme II 1000 Express Controller (BCM5709C) - Option IBM

42C1783 SUBSTITUTE
IBM NIC 1GbE RJ-45 2-Port PCI-E-2.0x4 NetXtreme II 1000 Express Controller (BCM5709C) - Option IBM

49Y4204 SUBSTITUTE
IBM NIC 1GbE RJ-45 2-Port PCI-E-2.0x4 NetXtreme II 1000 Express Controller (BCM5709C) - Option IBM

49Y4205 SUBSTITUTE

IBM NIC 1GbE RJ-45 2-Port PCI-E-2.0x4 NetXtreme II 1000 Express Controller (BCM5709C) - Option
IBM

49Y7946 SUBSTITUTE

IBM NIC 1GbE RJ-45 2-Port PCI-E-2.0x4 NetXtreme II 1000 Express Controller (BCM5709C) - Option
IBM

49Y7947 SUBSTITUTE

IBM NIC 1GbE RJ-45 2-Port PCI-E-2.0x4 NetXtreme II 1000 Express Controller (BCM5709C) - Option
IBM

FREQUENTLY ASKED QUESTIONS

What is 42C1780?

42C1780 is a IBM NIC 1GbE RJ-45 2-P PCI-E-2.0x4 NetXtreme II 1000 CNTLR manufactured by IBM. It is classified as a NETWORK (1GBE_NIC).

What parts can replace 42C1780?

There are 7 known substitutes for 42C1780: 49Y4205, 49Y7946, 42C1782 and 4 more. Substitute compatibility should be verified for your specific system.

What is the NSN for 42C1780?

42C1780 is cataloged in the U.S. Government catalog under NSN 5998-01-619-3757. This indicates validated use in U.S. government and defense supply chains.

✓ PartsTable — the parts reference. Every fact cited to its source.

 PartsTable Design LLC · partstable.com

U.S. Government catalog: edition PUBLOGDVD v12.0.0 (OCT 2026), edition date 2026-10-01, retrieved 2026-10-18.

PartsTable commercial catalog: edition Unified commercial catalog snapshot through 2026-09-28, edition date not on file, retrieved 2026-09-28.