

Option 11C/ 11C Mini Installer's Checklist

P0941097

NOTE: This document is pertinent for Option 11C and Option 11C Mini on R25.40

CAUTION

Ensure that the NTDK20 SSC card is on a **FLAT** surface before installing the Software Daughterboard and Security Device. Ensure that the NTDK97 MSC is on a **FLAT** surface before installing the Security Device.

DAMAGE MAY RESULT if this is done with the card still in the box!

CAUTION Please read this important message on software upgrades

Note: Nortel Networks recommends that you upgrade the boot code to the latest release when you upgrade the software. The boot code is on the programmed PCMCIA card.

Please refer to Nortel Networks NTP's for installation instructions.

You cannot use the UPGRADE command to upgrade correctly from one Release to another (ie. Release 22 to 23; 22 to 25, etc.. The Sysload Method must be used.

SYSLOAD method: Toggle the power supply to OFF and then to ON. During the reboot, press Ctrl I to access the Installation Program.

UPGRADE method: Log in to the system and select DL 143. Type UPGRADE to access the Installation Program. This is used for upgrades within a Release (ie. Rls 25.10 to 25.40)

NEW - Software daughterboard – NTKK25AA

The NTKK25AA blank software daughterboard is being introduced due to the component obsolescence of the Intel Flash Memory chip used on NTKK13AA daughterboards. This new daughterboard however; has the same memory capacity as the NTKK13AA containing 48 Meg of flash memory storage split into 32 Meg of program store and 16 Meg of C:Drive. The NTKK25AA card is compatible with X11 Release 25.30 software or higher. This card is not compatible with issues of software earlier than 25.30. The installation of the card is the same as with the NTKK13AA or NTDK81AA. . If you are upgrading from a previous version of software daughtercard, please ensure that you have the latest bootcode from your release 25.30 PCMCIA card. (see Upgrade NTP). The minimum bootrom compatible with the NTKK25AA is NTDK34FA release 07.

As noted below, NTKK13AA will continue to be supported with X11 Release 24.24 to Release 25.40 and higher.

Software Daughterboard Compatibility

The following identifies the existing software daughterboards and the software releases they are compatible with:

<u>Software Daughterboard</u>	<u>Capacity</u>	<u>Introduced on</u>	<u>Compatible with</u>
NTDK21AA	32 Meg	Release 22.08D	Release 22.08D – 23.55
NTDK81AA	40 Meg	Release 23.18	Release 23.18 – 24.24
NTTK13AA	48 Meg	Release 24.24	Release 24.24 – 25.30and higher
NTTK25AA	48 Meg	Release 25.30	Release 25.30 and higher

NTDK97 – 11C Mini System Controller

This controller is designed specifically for the Option 11C Mini which has forced air cooling. DO NOT install this controller in an Option 11C Cabinet (NTAK11) as it will generate excess heat and system damage will result. In addition this controller, when installed in an Option 11C cabinet DOES NOT meet regulatory standards.

IP Expansion Connectivity

Upgrading your Option 11, 11E or 11C system to support IP Connectivity

A minimum software release of X11 Release 25.30 is required to use the new IP daughterboards.

In order to support the software, the software daughterboard, NTTK13AA or NTTK25AA is required on each IP cabinet.

The IP Expansion product requires a minimum vintage of the NTDK20EA SSC card in the main cabinet for Option 11C. Option 11C IP Expansion cabinets require minimum NTDK20CA or later.

Option 11C Mini requires a minimum vintage of the NTDK20EA SSC card in both the main and IP Expansion chassis.

The Option 11C Cabinet refresh is required for cabinets configured with IP daughterboards. Existing cabinets can be easily field upgraded by ordering the **NTDK18AA** cabinet upgrade kit.

IP daughterboards can co-exist with existing Fibre daughterboards thereby providing customers with an easy upgrade solution

NTDK97 – Faceplate LED status

The Link light will be “on” during sysload, then turn “off” after the ethernet interface is enabled (whether ethernet is configured or not) and remain “off” during normal use.

Before starting make sure you have the following:

11C System

• NTDK20 SSC Card • Software Daughterboard • Security Device • Keycode Datasheet (see next page for keycode instructions)

11C Mini System

• NTDK97 MSC Card • Security Device • Keycode Datasheet (see next page for keycode instructions)

For IP Expansion Systems

• IP Daughterboard(s) with appropriate cables • IP Expansion Security Device(s) • Grounding Clips

Note: Your IP Expansion Security Device I.D. begins with the number 4xxxxxxx. It is programmed to work with your main cabinet security device. You will also see NT_REM printed on the device.

The following guides from the NTP suite will be helpful to complete installation:

- Option 11C Planning and Installation Guide
- Option 11C Mini Planning and Installation Guide
- Option 11C and 11C Mini Upgrade Procedures Guide
- For IP Expansion installation procedures, refer to the Planning and Installation Guide
- For Survivability configurations, please refer to the Option 11C Survivability Operation and Configuration Guide.

- Set the baud rate for Port 0 of the SSC/MSC card, using the dip switch on the SSC/MSC card faceplate.

Port 0 is the only SDI port that can be used for software installations and upgrades.

- After successful install of the system, make sure that Port 0 of SSC/MSC card is configured as a Maintenance Terminal/TTY. This is required for future software upgrades.
- If upgrading from an Option 11E multi-cabinet system that has fibre connection to the expansion cabinets, it is recommended that the keycodes be validated on the main cabinet first before swapping out the expansion cabinets.

INSTALL MENU

If installing Option 11C using a Software Daughterboard for a brand new system or for an upgrade from an Option 11/11E to 11C, select Option 1 (New Install or Option 11/11E Upgrade – From Software Daughterboard). If installing to your 11C Mini system using a Mini System Controller for a brand new system, select Option 1.

If installing using a PCMCIA card, select Option 4 (New system installation – from Software Delivery Card) or Option 2 (System Upgrade) to upgrade an Option 11/11E to Option 11C, or to upgrade software to a new release or issue.

"**Basic Configuration**" database option includes the following items: Directory, Configuration Record, XPECs blocks, Superloops blocks, Patch, Physical Dump Record, IMS TN Table, IMS Links No, Table, Asynch Blocks, CSL Blocks, VAS Blocks, Background TTY Blocks, Background Port ID Blocks, Aries Data Block, SYS PARAMS Block, LAPW Blocks. For a more extensive default data block, please choose "Pre-Configured Data".

IMPORTANT KEYCODE INFORMATION:

The data you need to enter in the INSTALL MENU is provided on the Keycode Datasheet.

If the keycodes are unsuccessful, check the following:

-software issue, feature set name, any additional packages, TNs, ISM parameters, security ID, auxiliary ID (the old site ID, if this is an upgrade), and ensure the correct keycodes were entered.

All items must match the keycode sheet exactly.

For an Option 11C Mini system, check that the number of TNs has been entered correctly from the keycode sheet.

When performing a new system installation, please ensure that the default AUX ID matches the AUX ID from the keycode data sheet.

If they still are not successful, then call your Service Representative.

SYSTEM UPGRADE FROM Option 11/11E to Option 11C, retaining copper interface

If you are installing the NTDK26 Backwards Compatible Daughterboard on the SSC card, jumper J7 must be removed prior to installing the card.

SYSTEM UPGRADE FROM Option 11 or 11E to Option 11C

The following two methods can be used to extract customer data from Option 11/11E software cartridge:

- PC with the Option 11/11E data stored in a CCBR file, or
- NTDK30 Database Upgrade Tool

SOFTWARE UPGRADE on Option 11C or Option 11C Mini systems

The following is required: Software on PCMCIA Card and new keycodes; or blank PCMCIA Card and access to Nortel Network's Software Distribution website to download the applicable software.

SOFTWARE DOWNLOAD Website

The Electronic Software Distribution website is available for Option 11C/11C Mini software downloads to your PCMCIA Card. The site is located at: <http://www.nortelnetworks.com>. Go to **Support** Banner – choose **Downloads** menu. Choose **Meridian 1 Option 11C/11C Mini** from the pulldown product listing found under the 'View by a Product' option at the blue 'Products' banner. You must **log in** first in order to access the software downloads.

Registration is required in order to access this site.