

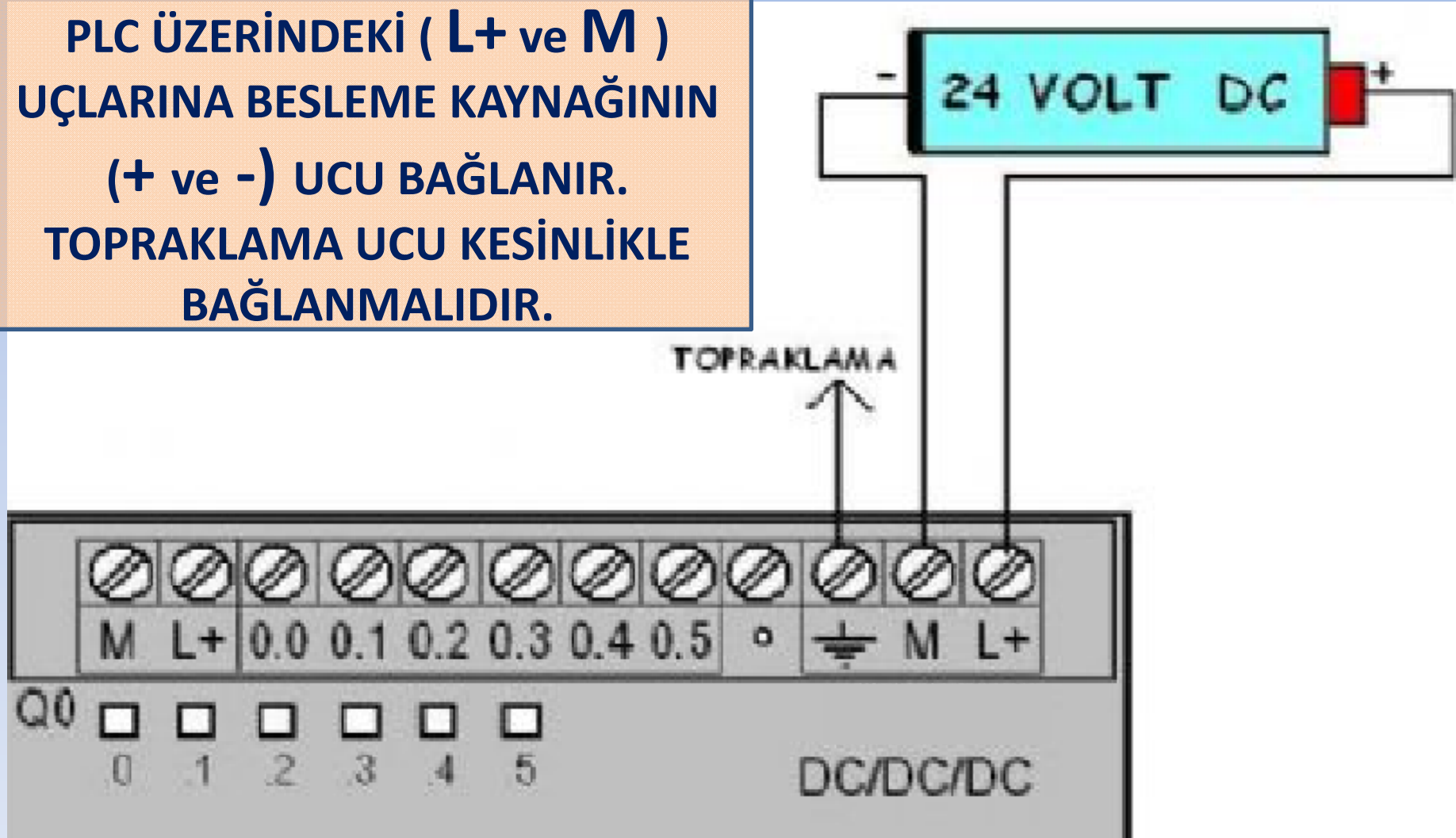
S7 1200 PLC – PC BAĞLANTISI



BAYRAM ÖZÜTÜRK
ŞUBAT 2013
ANKARA DİKMEN E.M.L.

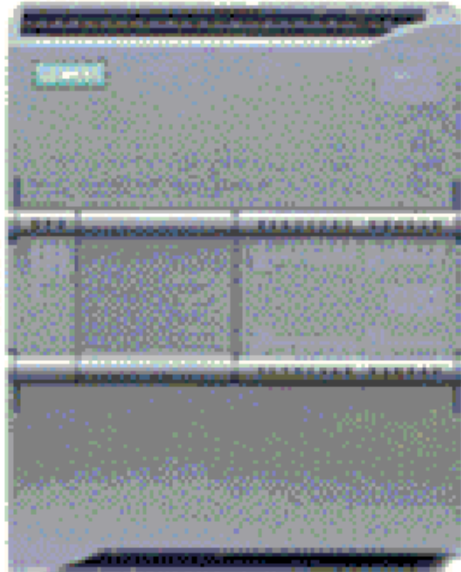
S7 1200 PLC – PC BAĞLANTISI

PLC ÜZERİNDEKİ (L+ ve M)
UÇLARINA BESLEME KAYNAĞININ
(+ ve -) UCU BAĞLANIR.
TOPRAKLAMA UCU KESİNLİKLE
BAĞLANMALIDIR.

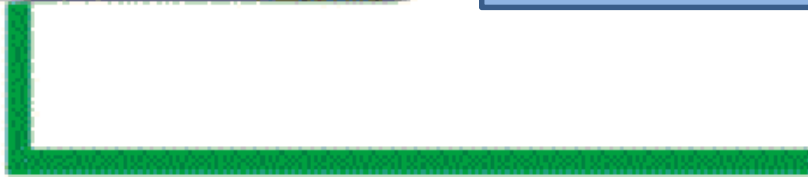


S7 1200 PLC – PC BAĞLANTISI

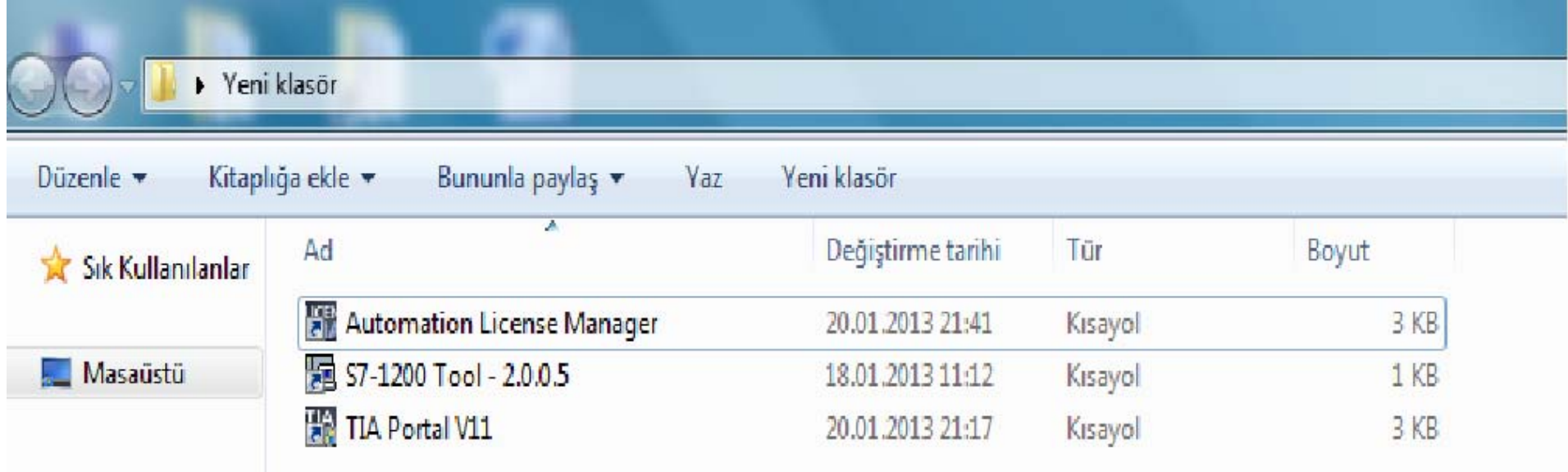
S7 1214C



S7 1200 PLC BİR PC'YE
CAT.5 veya CAT.6
İSİMLİ KABLO İLE RJ45
KONNEKTÖRÜ (ETHERNET
BAĞLANTISI) ARACILIĞI İLE
BAĞLANABİLİR.

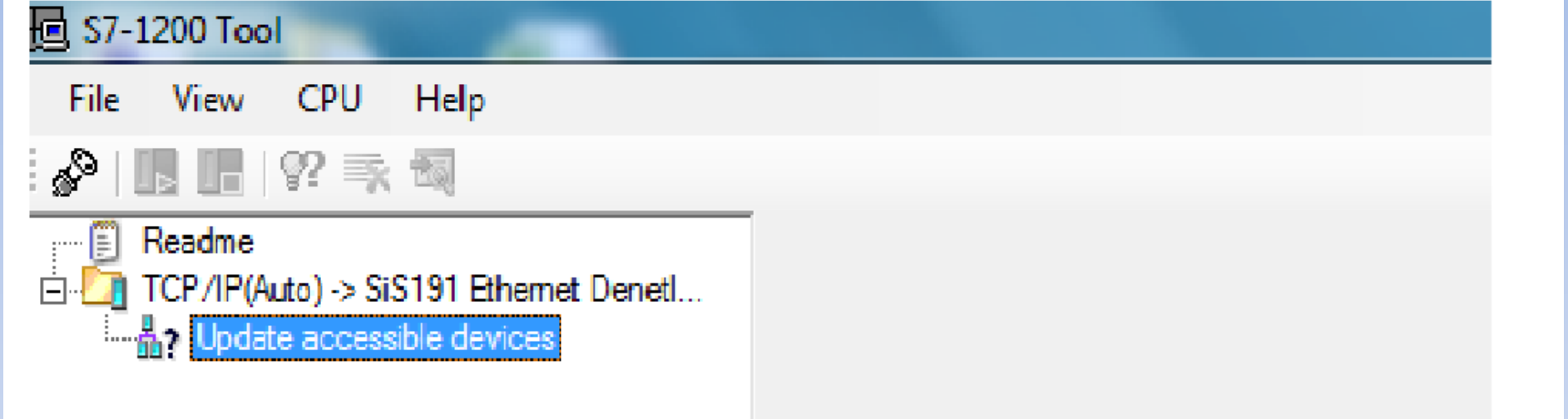


S7 1200 PLC – PC BAĞLANTISI



PC'DE BU 3 PROGRAM MUTLAKA KURULU OLMALIDIR. TIA PORTAL V11. SP2 CD'Sİ İLE KURULUM YAPILDIĞINDA «**AUTOMATION LICENSE MANAGER**» ve «**TIA PORTAL V11**» PROGRAMLARI OTOMATİK OLARAK KURULUR. «**S7-1200 TOOL**» PROGRAMI İSE HARİCEN İNTERNETTEN İNDİRİLEREK KURULUR.

S7 1200 PLC – PC BAĞLANTISI



S7 1200 TOOL PROGRAMI, PLC İÇİNDE TANIMLI OLAN «IP ADRESİNİ» GÖRMEK VEYA DEĞİŞTİRMEK AMACIYLA KULLANILIR. BU RESİM PLC BAĞLI DEĞİLKEN ALINMIŞTIR.

S7 1200 PLC – PC BAĞLANTISI

**ÖNCELİKLE PC'MİZİN, PLC'Yİ
BAĞLADIĞIMIZ ZAMAN AĞ
OLUŞTURABİLMESİ İÇİN**

«IP AYARLARINI»

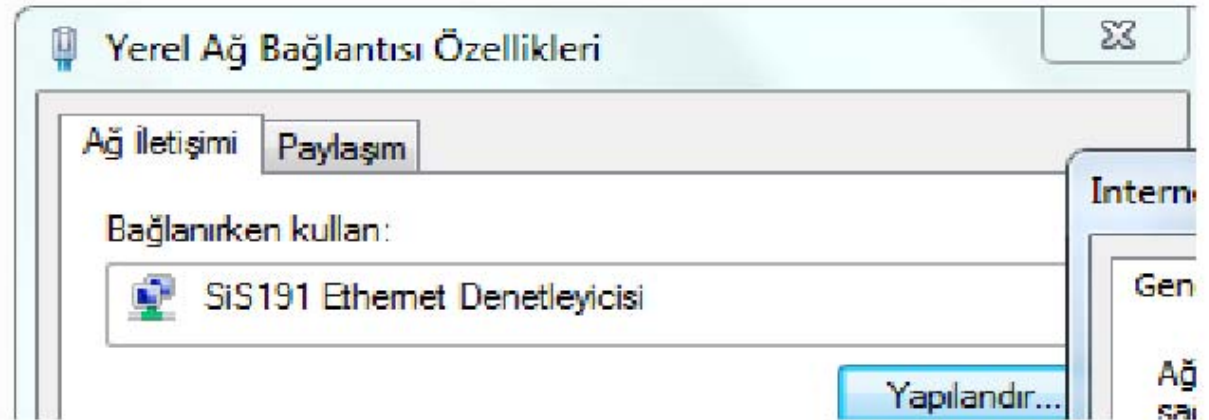
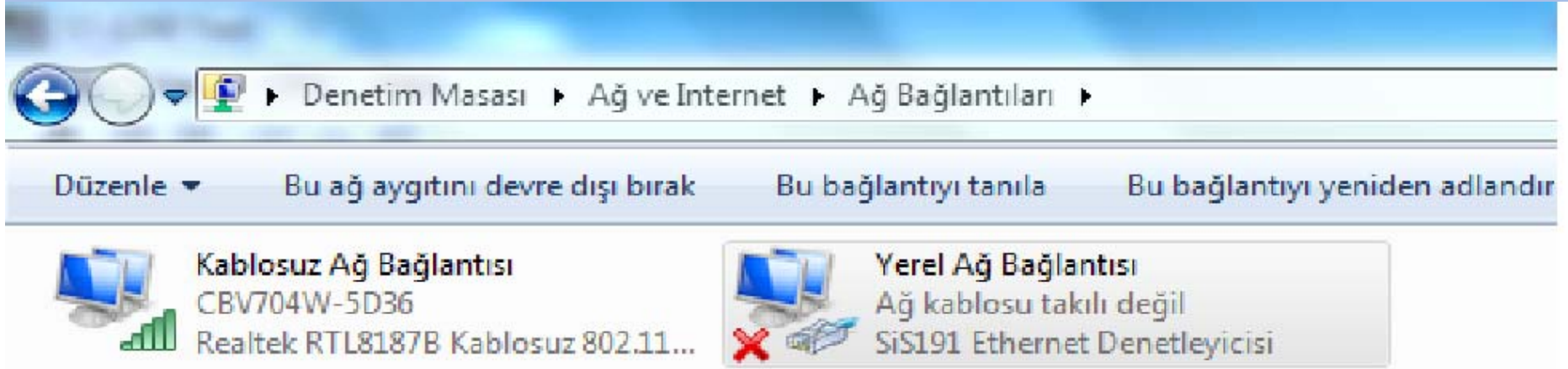
DÜZENLEMEMİZ GEREKİR.

**BİRÇOK PC'NİN IP AYARI OTOMATİK
ŞEKİLDE AYARLANMIŞTIR.**

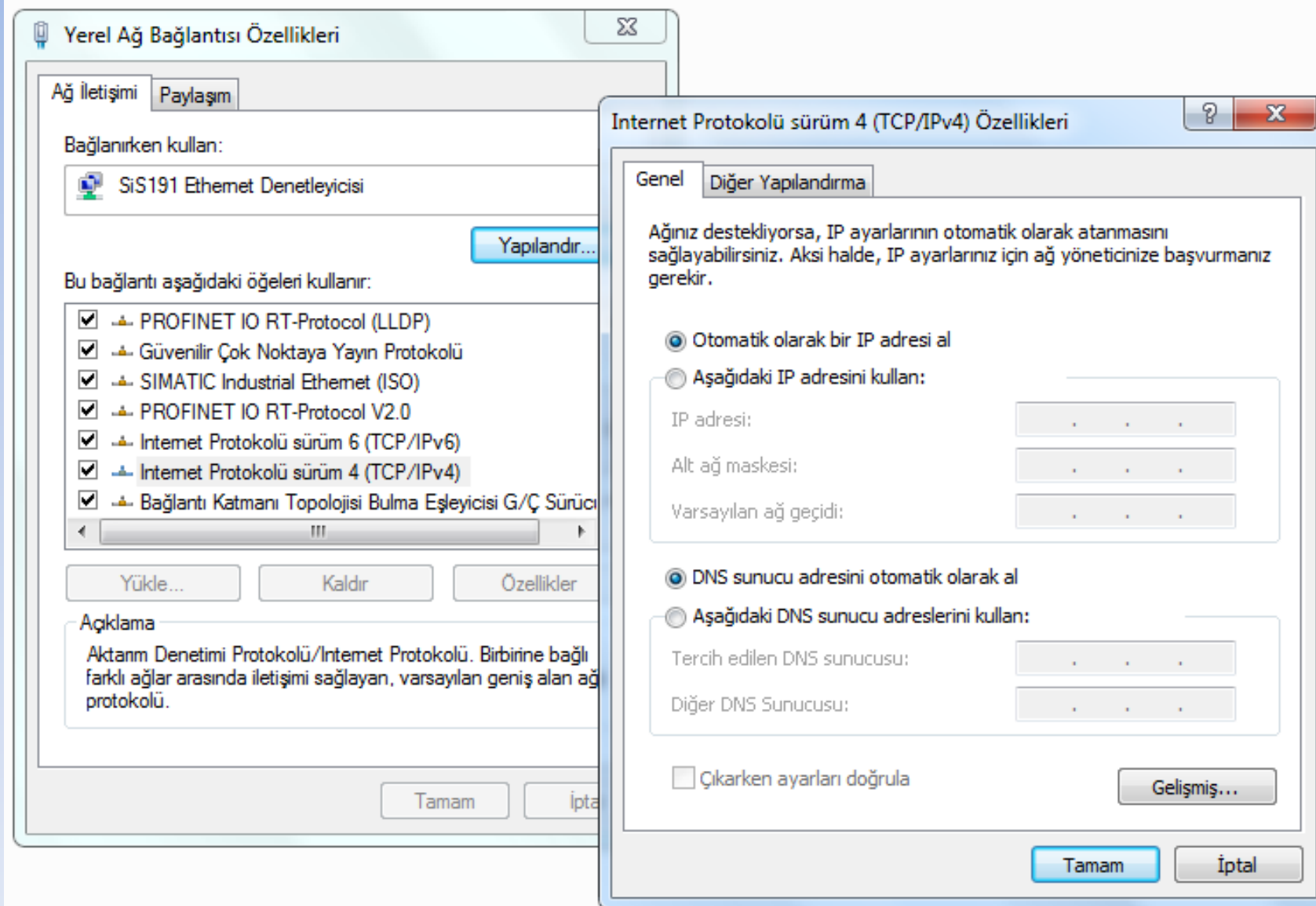
BUNU GÖRMEK İÇİN «DENETİM

**MASASI/AĞ VE INTERNET/AĞ
BAĞLANTILARI» SEKMESİ AÇILIR.**

S7 1200 PLC – PC BAĞLANTISI



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S7 1200 PLC – PC BAĞLANTISI

Otomatik olarak bir IP adresi al

Aşağıdaki IP adresini kullan:

IP adresi: 192 . 168 . 0 . 2

Alt ağ maskesi: 255 . 255 . 255 . 0

Varsayılan ağ geçidi: . . .

DNS sunucu adresini otomatik olarak al

Aşağıdaki DNS sunucu adreslerini kullan:

Tercih edilen DNS sunucusu: . . .

Diğer DNS Sunucusu: . . .

Çıkarken ayarları doğrula

Gelişmiş...

Tamam İptal

BURADA KÜÇÜK BİR DÜZENLEME YAPMAMIZ GEREKİYOR.

IP ADRES KISMINA: 192.168.0.2

ALT AĞ MASKESİ KISMINA: 255.255.255.0

DEĞERLERİNİ YAZIP «TAMAM» DİYEREK SAYFADAN ÇIKIYORUZ.

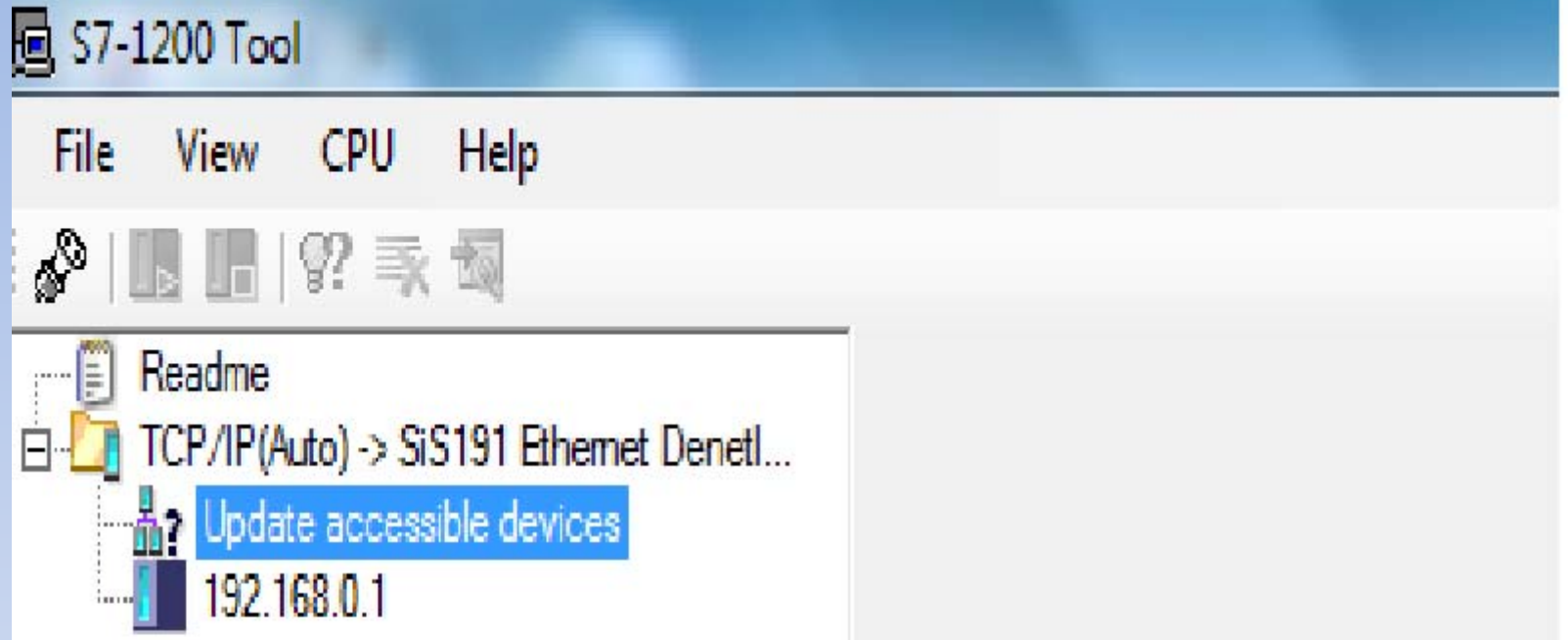
S7 1200 PLC – PC BAĞLANTISI

BU YAPTIĞIMIZ İŞLEM, PC İLE PLC'NİN AĞ BAĞLANTISI OLUŞTURMASINI SAĞLAR.

PLC'NİN AĞ KABLOSUNU BİLGİSAYARA BAĞLAYIP, GÜÇ BAĞLANTISINI YAPTIKTAN SONRA TEKRAR S7 1200 TOOL PROGRAMINA DÖNÜYORUZ.

PROGRAMI ÇALIŞTIRDIĞIMIZDA PLC'MİZ «IP ADRESİ» ŞEKLİNDE EKRANDA GÖRÜLÜR.

S7 1200 PLC – PC BAĞLANTISI



BURADAKİ «192.168.0.1» IP ADRESİ PLC'NİN İÇİNDEKİ ADRESTİR.

BİZİM PC'YE YAZDIĞIMIZ ADRES İLE TEK FARKI EN SONDAKİ «1» SAYISIDIR. BİZ «2» YAZMIŞTIK.

AĞ BAĞLANTISININ OLUŞTURULABİLMESİ İÇİN SADECE BU EN SONDAKİ SAYILAR FARKLI, DİĞER TÜM SAYILAR AYNI OLMALIDIR.

EN SONDAKİ SAYIMIZ (0-255) ARASINDA BİR SAYI OLABİLİR.

S7 1200 PLC – PC BAĞLANTISI



The screenshot shows the S7-1200 Tool software interface. The window title is "S7-1200 Tool". The menu bar includes "File", "View", "CPU", and "Help". The toolbar contains icons for connection, execution, help, and refresh. The left pane shows a tree view with "Readme", "TCP/IP(Auto) -> SiS191 Ethernet Denet...", "Update accessible devices", and "192.168.0.1". The right pane displays "Device Properties" for a PLC:

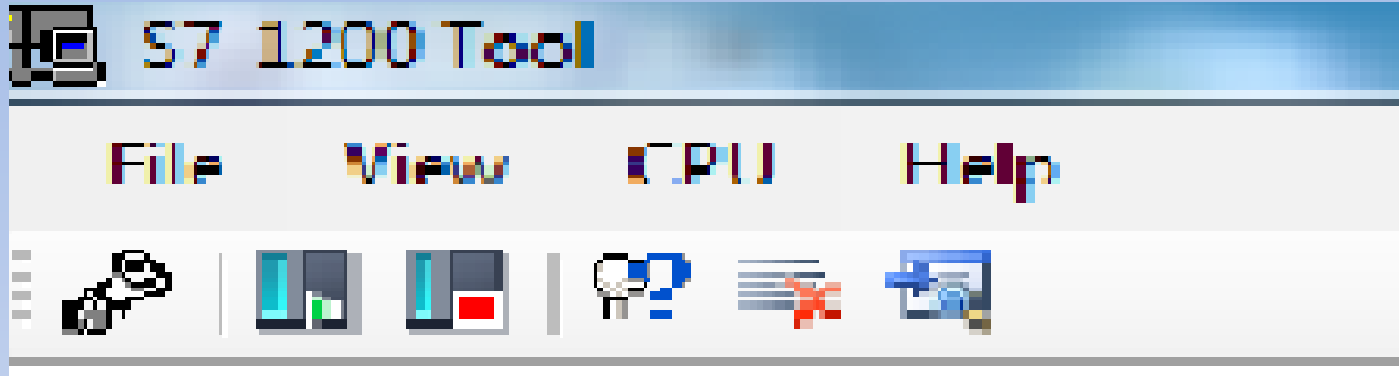
- MAC Address: 00:1C:06:08:2F:03
- CPU Type: CPU 1214C DCDCDC
- Order ID: 6ES7 214-1AE30-0XB0
- Hardware E-Stand: 1
- Firmware Version: V 2.1.2
- Operating State: RUN

Below the properties is a "Settings" section with input fields for IP Address (192 . 168 . 0 . 1), Subnet Mask (255 . 255 . 255 . 0), and Default Gateway (192 . 168 . 0 . 3). There are buttons for "Set", "Use Defaults", and a checkbox for "Set as Default".

**IP ADRESİNE
TIKLADIĞIMIZDA SAĞ
TARAFTA AÇILAN
PENCEREDE PLC
ÖZELLİKLERİ GÖRÜLÜR.
İSTENİRSE YENİ IP ADRESİ
YAZILARAK «SET EDİLİR»
VE PLC'NİN IP ADRESİ
DEĞİŞTİRİLİR.**

**BU SAYFADA GÖRÜLEN
« Firmware Version: V2.1.2 »
NUMARASINI NOT ALINIZ.**

S7 1200 PLC – PC BAĞLANTISI

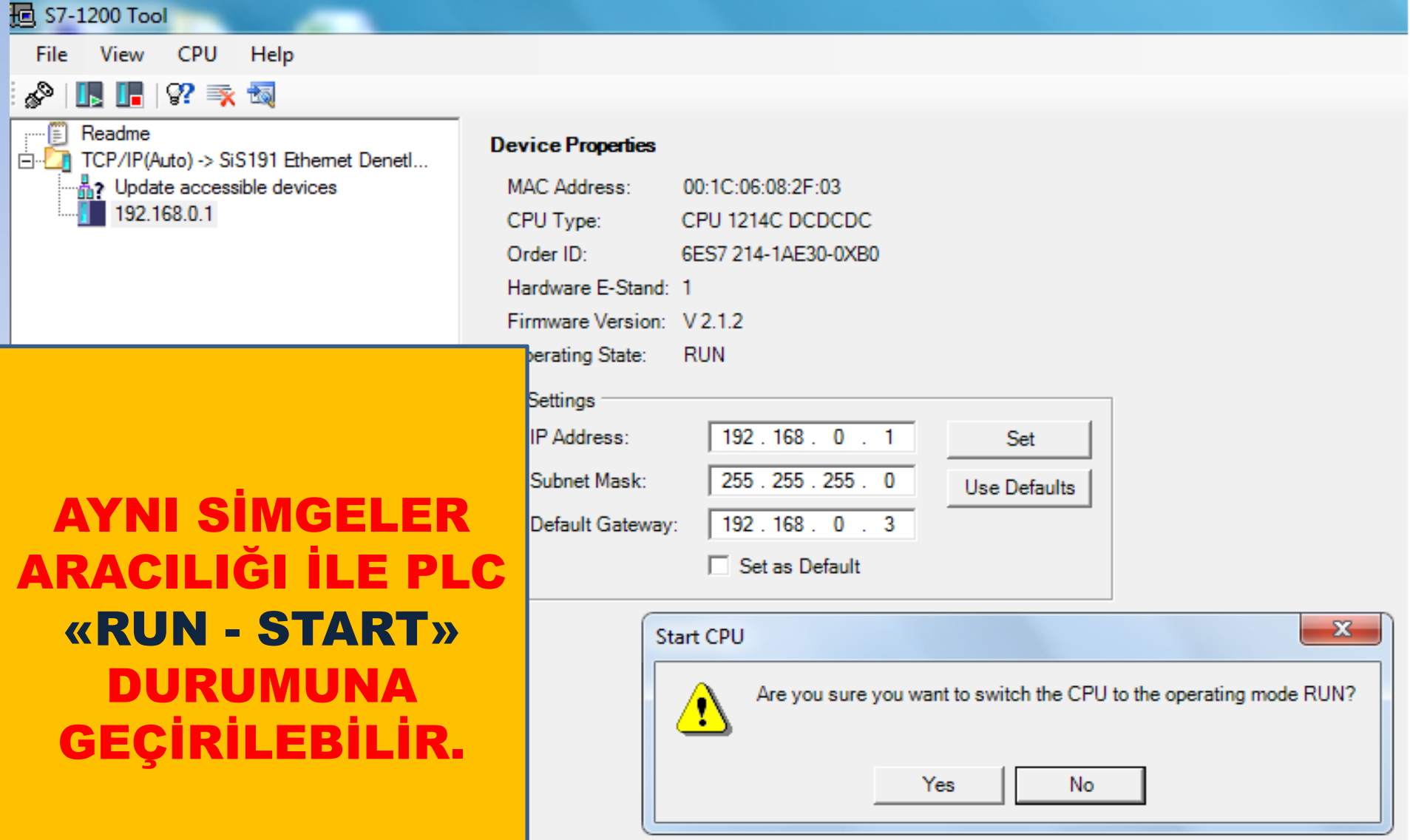


BAĞLANTI GERÇEKLEŞTİĞİNDE BURADAKİ SİMGELER AKTİF HALE GELİR...

« ? » SİMGESİNE TIKLADIĞIMIZDA, PLC ÜZERİNDEKİ IŞIKLAR YANIP-SÖNER.

PLC-PC BAĞLANTISI TAMAMLANMIŞTIR.

S7 1200 PLC – PC BAĞLANTISI



The screenshot displays the S7-1200 Tool software interface. The main window is titled "S7-1200 Tool" and has a menu bar with "File", "View", "CPU", and "Help". Below the menu bar is a toolbar with various icons. The left pane shows a tree view with "Readme", "TCP/IP(Auto) -> SiS191 Ethernet Denetl...", "Update accessible devices", and "192.168.0.1". The right pane is titled "Device Properties" and lists the following information:

- MAC Address: 00:1C:06:08:2F:03
- CPU Type: CPU 1214C DCDCDC
- Order ID: 6ES7 214-1AE30-0XB0
- Hardware E-Stand: 1
- Firmware Version: V 2.1.2
- Operating State: RUN

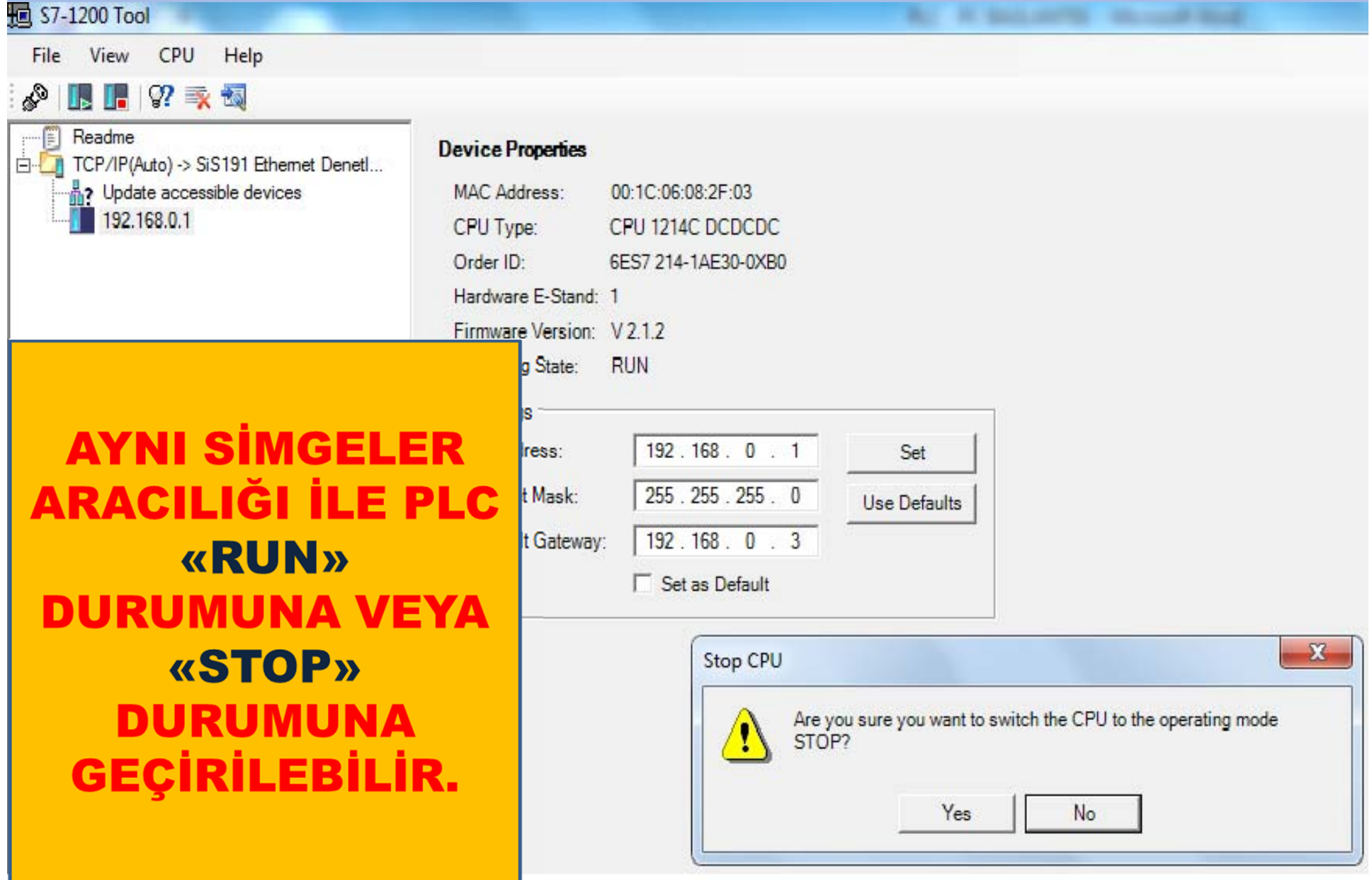
Below the device properties is a "Settings" section with the following fields and buttons:

- IP Address: 192 . 168 . 0 . 1 (Set button)
- Subnet Mask: 255 . 255 . 255 . 0 (Use Defaults button)
- Default Gateway: 192 . 168 . 0 . 3 (Set as Default checkbox)

A "Start CPU" dialog box is open in the foreground, displaying a warning icon and the text: "Are you sure you want to switch the CPU to the operating mode RUN?". The dialog has "Yes" and "No" buttons.

**AYNI SİMGELER
ARACILIĞI İLE PLC
«RUN - START»
DURUMUNA
GEÇİRİLEBİLİR.**

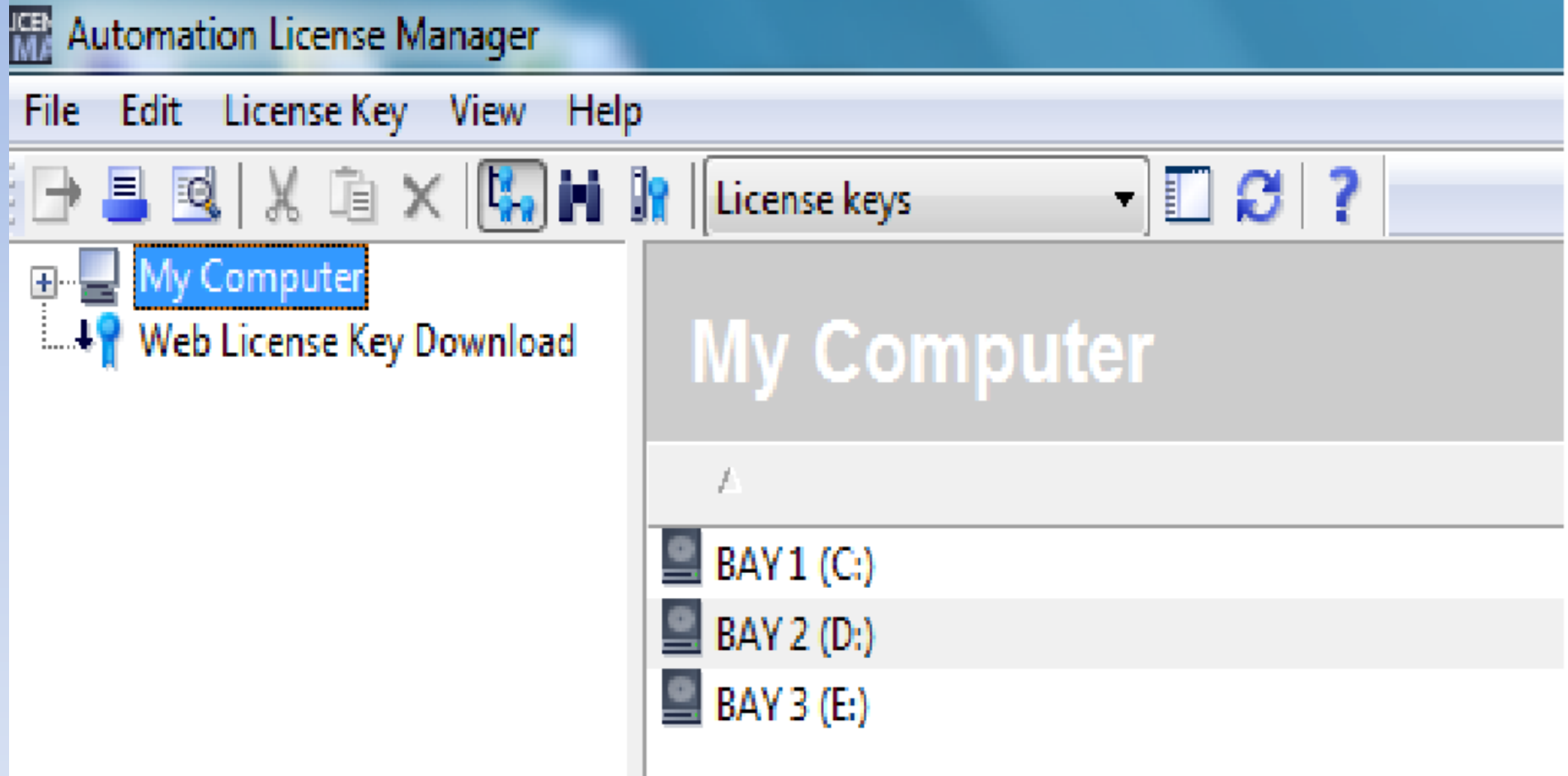
S7 1200 PLC – PC BAĞLANTISI



The screenshot displays the S7-1200 Tool software interface. The main window shows the 'Device Properties' section for a CPU 1214C DCDCDC. The properties listed are: MAC Address: 00:1C:06:08:2F:03, CPU Type: CPU 1214C DCDCDC, Order ID: 6ES7 214-1AE30-0XB0, Hardware E-Stand: 1, and Firmware Version: V 2.1.2. The operating state is 'RUN'. A network configuration dialog box is open, showing the IP address set to 192.168.0.1, Subnet Mask to 255.255.255.0, and Default Gateway to 192.168.0.3. A 'Stop CPU' warning dialog box is also visible, asking 'Are you sure you want to switch the CPU to the operating mode STOP?' with 'Yes' and 'No' buttons.

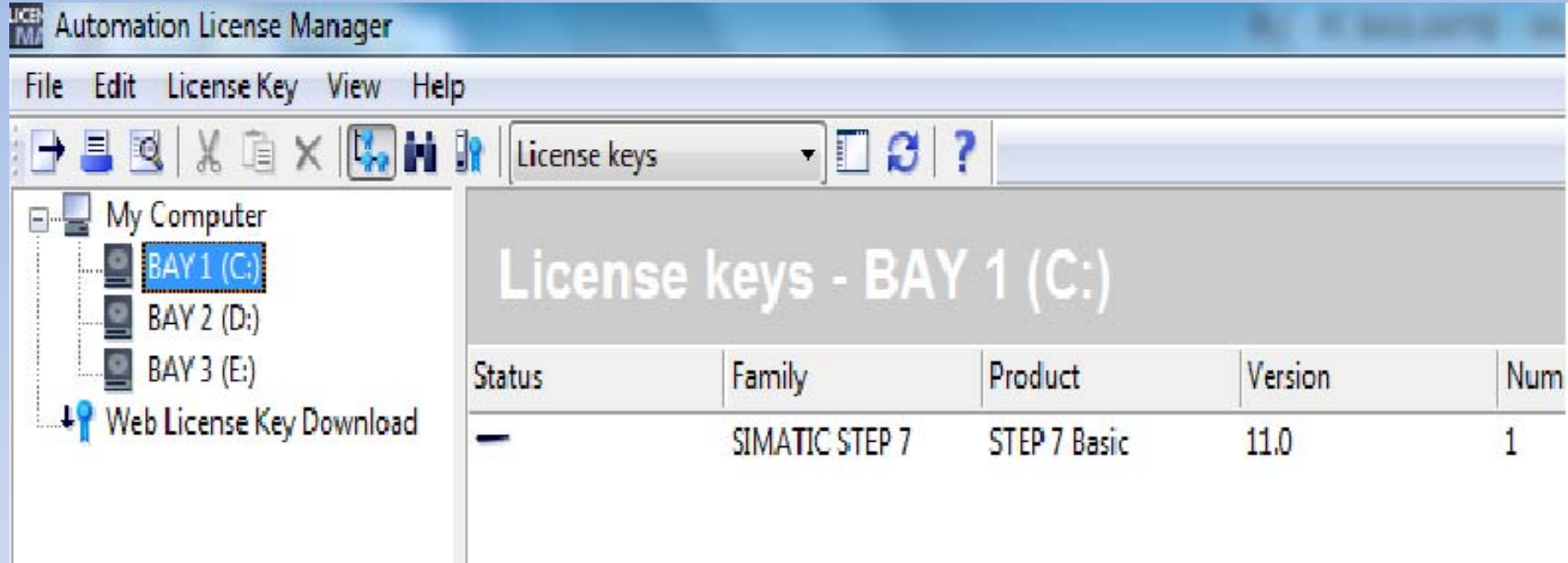
**AYNI SİMGELER
ARACILIĞI İLE PLC
«RUN»
DURUMUNA VEYA
«STOP»
DURUMUNA
GEÇİRİLEBİLİR.**

S7 1200 PLC – PC BAĞLANTISI



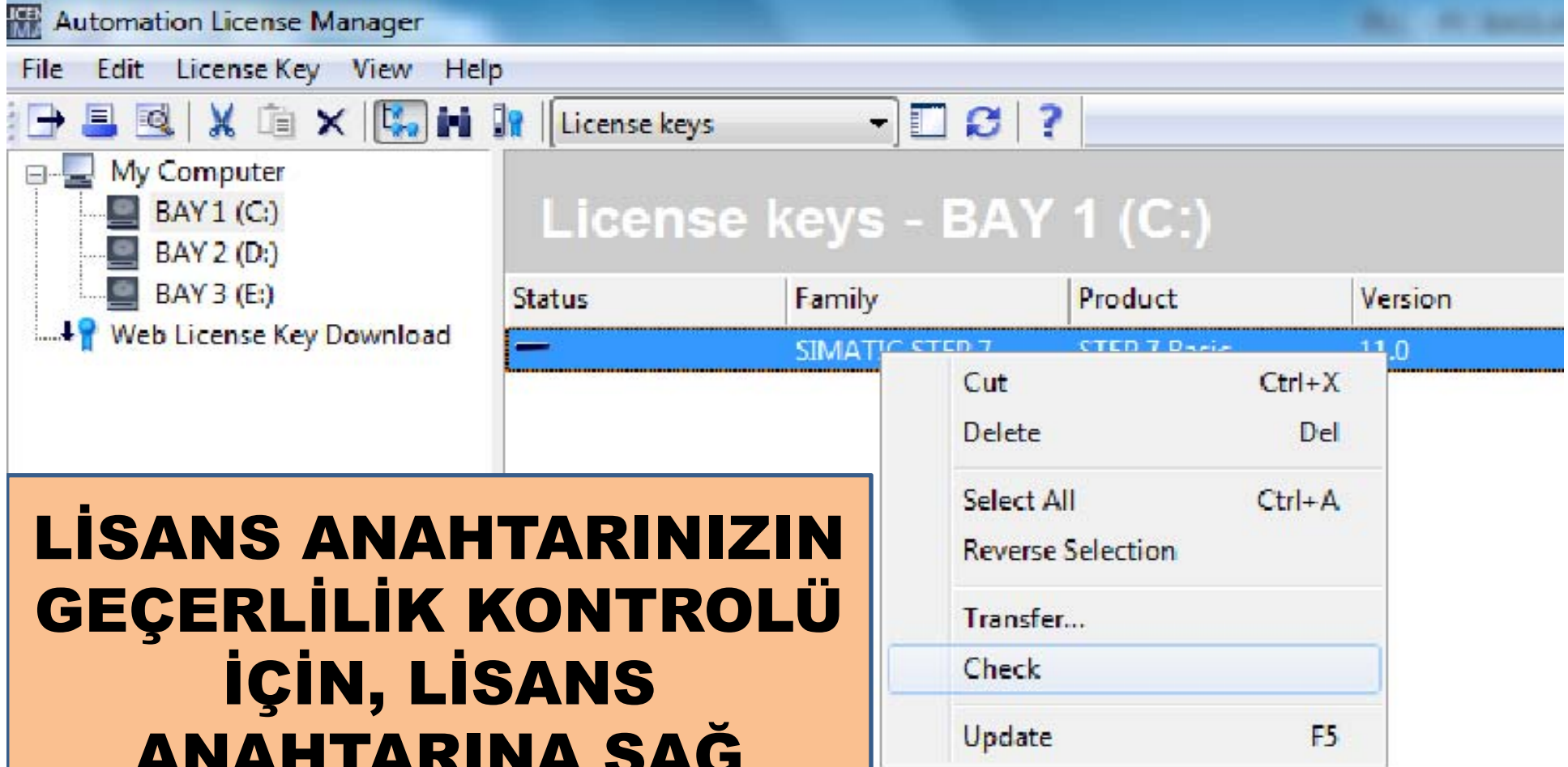
**«AUTOMATION LICENSE MANAGER»
PROGRAMI ÇALIŞTIRILIR.**

S7 1200 PLC – PC BAĞLANTISI



SIEMENS SIMATIC STEP 7 BASIC (TIA PORTAL) PROGRAMI GEÇERLİ BİR LİSANS (KEYS) ANAHTARI İSTER. BU ANAHTAR ELİNİZDE YOKSA 21 GÜNLÜK DENEME SÜRÜMÜ BİLGİSAYARINIZA KURULUR.

S7 1200 PLC – PC BAĞLANTISI

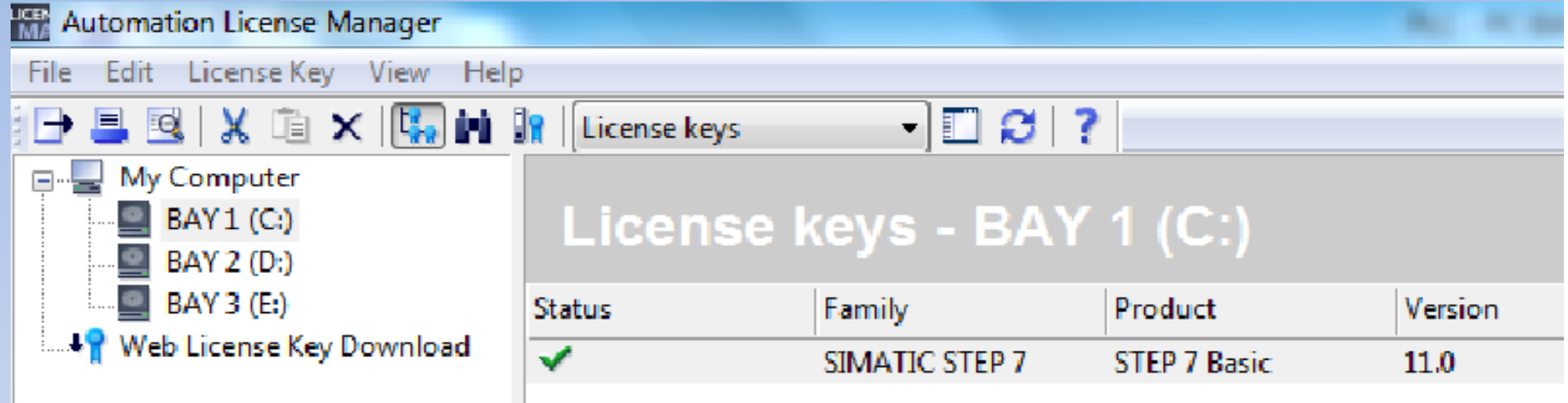


Status	Family	Product	Version
—	SIMATIC STEP 7	STEP 7 Basic	11.0

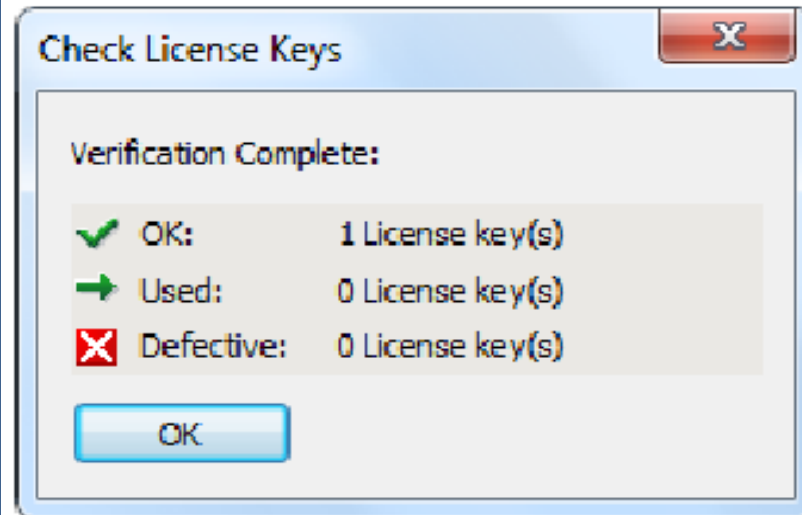
Cut Ctrl+X
Delete Del
Select All Ctrl+A
Reverse Selection
Transfer...
Check
Update F5

**LİSANS ANAHTARINIZIN
GEÇERLİLİK KONTROLÜ
İÇİN, LİSANS
ANAHTARINA SAĞ
TIKLANIR VE «CHECK»
SEÇİLİR.**

S7 1200 PLC – PC BAĞLANTISI



**CHECK İŞLEMİ
SONUNDA YANDAKİ
PENCERE ÇIKIYORSA
ARTIK «TIA PORTAL»
PROGRAMINI
KULLANMAYA
BAŞLAYABİLİRSİNİZ.**



S7 1200 PLC – PC BAĞLANTISI

Siemens Totally Integrated Automation PORTAL

Start

Devices & networks

PLC programming

Visualization

Online & Diagnostics

Open existing project

Create new project

Migrate project

Close project

Welcome Tour

Open existing project

Project	Path	Last change
Project1	C:\Users\BAY\Desktp\PLC PROJE1\Project1	2/2/2013

Project view

BAYRAM ÖZÜTÜRK
ŞUBAT 2013
ANKARA DİKMEN E.M.L.

23:59
03.02.2013