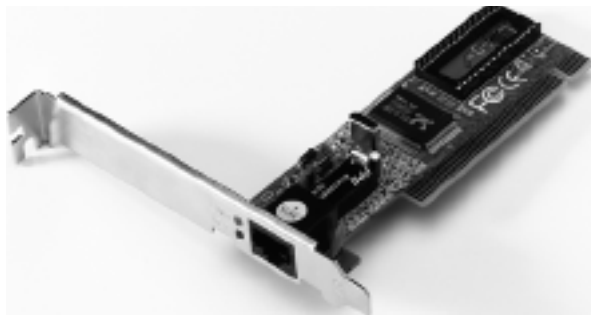


# UCOM

## LAN card 110



**QUICK INSTALLATION GUIDE**



# DECLARATION OF CONFORMITY

We, TMS Nv, Grauwmeer 17 , 3001 Heverlee , Belgium, declare that our product :

**Product name:** UCOM

**Model type:** LAN Card 110

is in conformity with the essential requirements of the R&TTE directive 1999/5/EC and carries the CE mark accordingly.

Supplementary information:

The product complies with the requirements of:

EN 55022:1998, EN 61000-3-2:1995+A1:1998+A2:1998, EN61000-3-3:1995  
EN 55024/1998 → EN 61000-4-2/1995, EN 61000-4-3/1996, EN 61000-4-4/1995  
EN 61000-4-5/1995, EN 61000-4-6/1996, EN 61000-4-8/1993, EN 61000-4-11/1994

Date: 23/09/2002  
Place: Heverlee , Belgium  
Name: Verheyden Geert  
Function: Technical Director

Signature:



European contact: TMS Nv, R&D department, Research Park, Grauwmeer 17, 3001 Heverlee, Belgium. Tel : +32 16 398920 , Fax : +32 16 398939

## **UCOM LAN – 10/100Mbps Ethernet Network Adapter**

The 10/100Mbps Ethernet Network Adapter is a dual-speed adapter with a single auto-negotiation 10/100Mbps RJ-45 connector. Full-duplex operation is supported. When the card is running with the full-duplex mode, the speed can be boosted to 20Mbps/200Mbps.

### **Installation**

#### **Hardware Installation**

1. Please turn OFF the computer. Unplug the power cord and open the computer case.
2. Install the UCOM LAN Card in a free PCI bus master expansion slot.
3. Connect the network cable and reconnect the computer's power cord.
4. Turn the computer ON.

#### **Driver Installation**

The computer will find new hardware. The driver for each networking operating system is under a separate directory on the installation disk.

For the newest drivers, please check at [www.realtek.com.tw](http://www.realtek.com.tw)

## Features

- Compliant with PCI Revision 2.2
- Single-chip Fast Ethernet controller provides 32-bit PCI bus master operation.
- Supports PCI target fast back-to-back transaction.
- Supports PCI clock from 16.75MHz to 40MHz.
- Compliant to PC99/2001 standard and support PCI VPD (Vital Product Data).
- Supports ACPI, PCI power management. (Optional).
- Supports Wake-on-LAN and remote wake-up (Magic Packet, LinkChg and Microsoft wake-up frame). (Optional)
- Advanced power saving mode when LAN function or wake up function is not used.
- Contains two large (2Kbyte) independent receive and transmit FIFO's.
- Programmable auto-negotiates between 100Mbps, 10Mbps full duplex and half duplex.
- Supports Full Duplex Flow Control (IEEE 802.3x)
- Diagnostic LED.
- Plug-and-Play for Window95 (OSR2),98,NT2000,XP.
- Support 802.1p/q tagging for Window2000,Me,98.

## Supported Network Drivers

- NetWare(Client/Server drivers); DOS, OS/2; Win95 (OSR2),98,NT3.1,3.5x,4.0,2000,Me,XP,WFW3; UnixWare 7.0; Linux driver; SCO Unix driver; Macintosh Mac OS 8.x/9.x (download); BeOS driver(download); FreeBSD (download); QNX driver(download); VxWork driver(download).

For the newest drivers, please check at [www.realtek.com.tw](http://www.realtek.com.tw)

- 1. Standards:**  
IEEE 802.3 10BASE-T  
IEEE 802.3u 100BASE-TX
- 2. Bus Type**  
PCI2.1&2.2
- 3. Host Data Bus Architecture**  
32bit Bus Mastering
- 4. Interrupt Levels**  
Interrupt line INTA, which conforms to the PCI specification.
- 5. Access Method**  
CSMA/CD
- 6. Topology**  
Star
- 7. Transmit/Receive Buffer**  
4KB.(2KB Transmit, 2KB Receive)
- 8. Network Media Support**  
10BASE-T Cat.3,4,5 UPT/STP cable  
100BASE-TX Cat.5 UPT/STP cable
- 9. Power Consumption**  
+5V+/-5% at 300 mA (1.5 Watts) max
- 10. Operating Temperature**  
0°C ~ 50°C
- 11. Store Temperature**  
-10°C ~ 70°C
- 12. Humidity**  
10% ~ 90% RH
- 13. Dimension (Non-bracket)**  
120mmx40mm(LxH)
- 14. Weight**  
0.058kgs with bracket
- 15. Certificate**  
CE



**UCOM**

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