

# OLICOM OC-3117 Network Interface Card User Guide

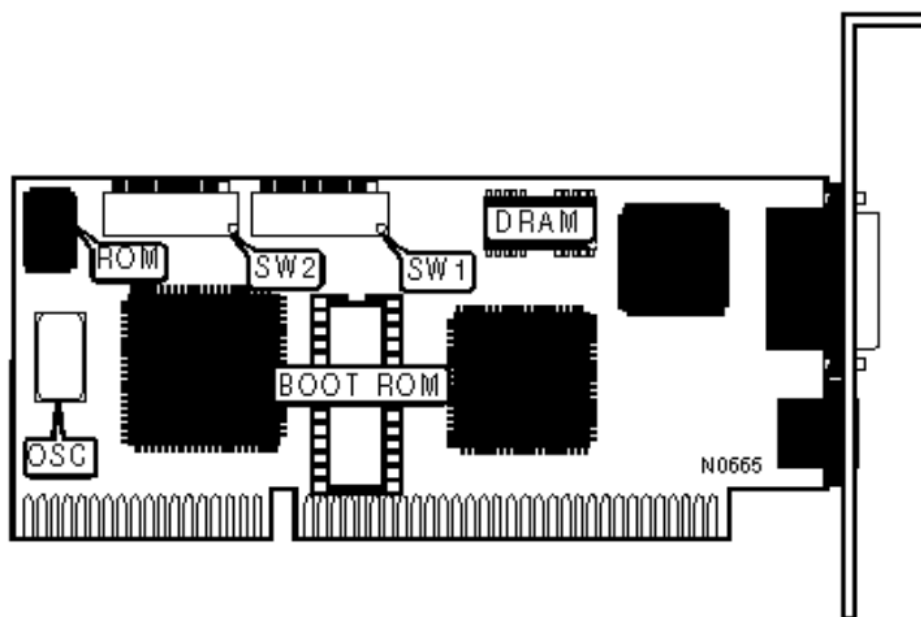
[Home](#) » [OLICOM](#) » Olicom OC-3117 Network Interface Card User Guide 

## Contents

- [1 Olicom OC-3117 Network Interface Card](#)
- [2 THE NETWORK INTERFACE CARD TECHNICAL GUIDE](#)
- [3 Documents / Resources](#)
  - [3.1 References](#)
- [4 Related Posts](#)

# OLICOM

OLICOM OC-3117 Network Interface Card



The Network Interface Card Technical Guide

## Specifications

<b>NIC Type</b>	Token Ring
<b>Transfer Rate</b>	4/16 Mbps
<b>Data Bus</b>	16-bit ISA
<b>Topology</b>	Ring
<b>Wiring Type</b>	AUI transceiver via DB-15, Shielded Twisted Pair, Unshielded Twisted Pair
<b>Boot ROM</b>	Available

## Connections

Purpose	Location
Board Configuration ROM	ROM
Crystal Oscillator	OSC

## Ring Speed Select

Setting	SW1/1
16 Mbps	Off
4 Mbps	On

## I/O Address Select

Address	SW1/2	SW1/3
A24 – A27, A40 – A4Fh	Off	Off
A50 – A53, A60 – A6Fh	On	Off
A54 – A57, A70 – A7Fh	Off	On

## RPL ROM Address

Setting	SW1/4	SW1/5	SW1/6	SW1/7	SW1/8
C0000	Off	On	On	Off	Off
C2000	Off	Off	On	Off	Off
C4000	On	Off	Off	Off	Off

## Interrupt Select

IRQ	SW2/1	SW2/2	SW2/3
IRQ3	Off	Off	Off
IRQ5	On	Off	On
IRQ7	Off	On	On
IRQ10	On	On	On

### Factory Configured Setting

Switch	Setting
SW2/7	Off
SW2/8	Off

### DMA Channel

Setting	SW2/4	SW2/5	SW2/6
DMA0	Off	Off	Off
DMA1	On	On	Off
DMA3	Off	Off	On
DMA6	On	Off	On

### Notes

- If this card is installed into a PC/AT level machine, the default is IRQ9. If the machine level is PC/XT, the default is IRQ2.
- If the machine is a PC/XT level or this card is installed into an 8-bit slot, IRQ10, IRQ11, IRQ12 & IRQ15 are not available.
- If this board is installed into a PC/XT level machine or an 8-bit slot, then Programmed I/O is used, and the switch settings are non-functional.

### FAQ

- **What is the transfer rate of the OC-3117 NIC?**

The transfer rate is 4/16 Mbps.

- **What type of data bus does the OC-3117 use?**

It uses a 16-bit ISA data bus.

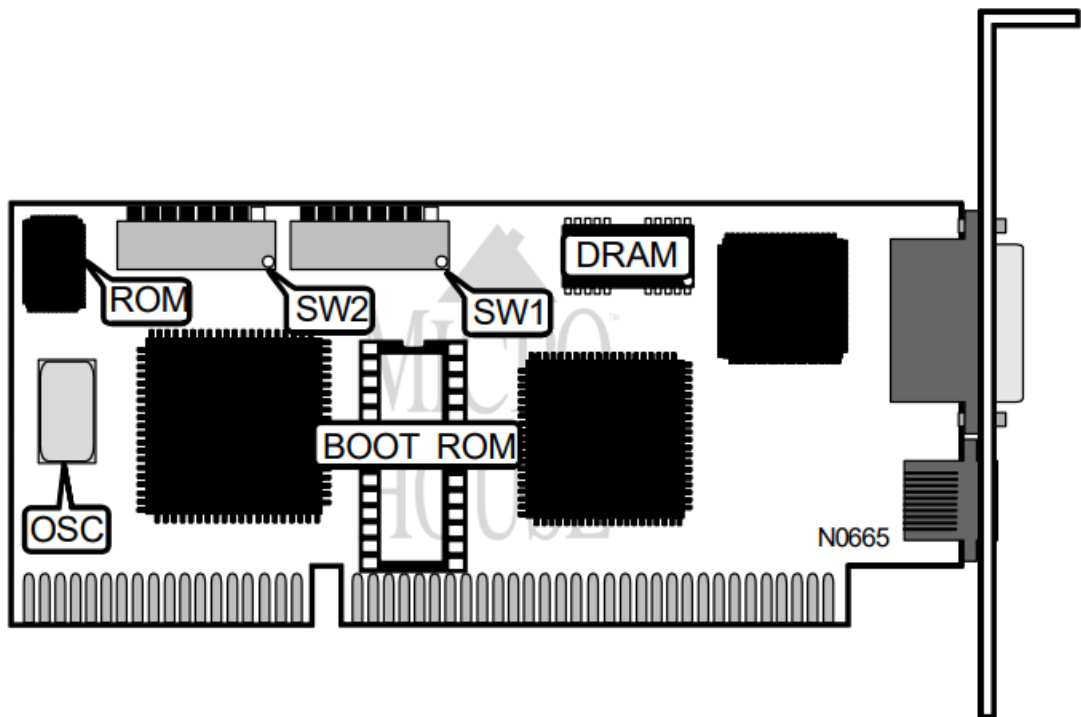
- **Is a Boot ROM available for this NIC?**

Yes, a Boot ROM is available.

- **What are the default IRQ settings for different machine levels?**

For PC/AT level machines, the default is IRQ9, and for PC/XT level machines, it is IRQ2.

- NIC Type Token Ring
- Transfer Rate 4/16Mbps
- Data Bus 16-bit ISA
- Topology Ring
- Wiring Type AUJ transceiver via DB-15 Shielded Twisted Pair Unshielded Twisted Pair
- Boot ROM available



CONNECTIONS	
Purpose	Location
Board Configuration ROM	ROM
Crystal Oscillator	OSC

RING SPEED SELECT	
Setting	SW1/1
4Mbps	Off
16 Mbps	On

I/O ADDRESS SELECT				
A d d r e s	s	SW1/2	SW1/3	
í A20 – A23, A30 – A3Fh		Off	Off	
A24 – A27, A40 – A4Fh		On	Off	
A50 – A53, A60 – A6Fh		Off	On	
A54 – A57, A70 – A7Fh		On	On	

**OLICOM, INC.**  
**O C – 3 1 1 7**

RPL ROM ADDRESS					
Setting	SW1/4 W1/8	SW1/5		SW1/6	SW1/7
í CC000	Off	On	On	Off	Off
C0000	Off	Off	Off	Off	Off
C2000	On	Off	Off	Off	Off
C4000	Off	On	Off	Off	Off
C6000	On	On	Off	Off	Off
C8000	Off	Off	On	Off	Off
CA000	On	Off	On	Off	Off
CE000	On	On	On	Off	Off
D0000	Off	Off	Off	On	Off
D2000	On	Off	Off	On	Off
D4000	Off	On	Off	On	Off
D6000	On	On	Off	On	Off
D8000	Off	Off	On	On	Off
DA000	On	Off	On	On	Off
DC000	Off	On	On	On	Off
DE000	On	On	On	On	Off

INTERRUPT SELECT				
IRQ	S	W2/1	S	W2/2
IRQ2	Off		Off	Off
IRQ9	Off		Off	Off
IRQ3	On		Off	On
IRQ5	Off		On	On
IRQ7	On		On	On
IRQ10	On		Off	Off
IRQ11	Off		On	Off
IRQ12	On		On	Off
IRQ15	Off		Off	On

Note: If this card is installed into a PC/AT level machine the Default is IRQ9, if the machine level is PC/XT the default is IRQ2.

Note: If the Machine is a PC/XT level or this card is install into a 8-bit slot IRQ10, IRQ11, IRQ12 & IRQ15 are not available.

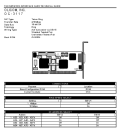
FACTORY CONFIGURED SETTING	
Switch	Setting
SW2/7	Off
SW2/8	Off

## THE NETWORK INTERFACE CARD TECHNICAL GUIDE

**OLICOM, INC. O C – 3 1 1 7**

DMA CHANNEL					
Setting	S	W2/4	S	W2/5	S
í DMA5	Off	Off	Off	Off	W2/6
DMA0	On	On	Off	Off	
DMA1	Off	Off	On	On	
DMA3	On	Off	On	Off	
DMA6	On	Off	On	Off	
DMA7	Off	On	On	Off	
Programmed I/O	Off	On	On	On	
Programmed I/O	On	On	On	On	
Note: If this board is installed into a PC/XT level machine or an 8-bit slot then Programmed I/O is used, and the Switch settings are non-functional.					

## Documents / Resources

	<a href="#">OLICOM OC-3117 Network Interface Card</a> [pdf] User Guide OC-3117 Network Interface Card, OC-3117, Network Interface Card, Interface Card, Card
-------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------

## References

- [User Manual](#)

## **Manuals+. Privacy Policy**

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.