

# MICRO CONNECT PTY LTD

## LCM EW Overview Datasheet V1.00



# EW Linking Control Module

**MICRO**  
*connect*  
Data connection solutions

The latest LCM in the range of SCATS compatible data routers from Micro Connect is the EW LCM. The EW version allows for direct Ethernet connection and is designed for use with an NBN type of connection to a traffic signals controller. The EW version is based on previous LCM versions, and will be fully compatible with existing micro connect LCM management tools and monitoring systems.

Rated to 70 deg C operating and designed with high quality components inc gold plated connectors the EW LCM meets our high standards for traffic controller equipment.

Traffic controller RS232 Cabling used with the PSTN, ADSL and 3G LCM can be re-used with the new EW LCM. Bluetooth travel time module is also fully compatible using the AUX 1 serial port. AUX 2 serial port is for future use.

Full routing is supported in firmware at 100Mbps with independent Ethernet ports and allows CCTV ect to be connected to the LAN port. The WAN port would connect to the uplink ie the NBN ONT. The WAN link supports PPPoE for NBN authentication or can be used with private fibre connections with the addition of a fibre converter. An SFP fibre converter module powered from the EW LCM (will also have a 7 sec power UPS function) is also in the development stage.

High brightness LED's and a smart card make for easy diagnostics and field changing of hardware without using a PC.

#### **Features:**

- 1 x 10/100M Fast Ethernet LAN port
- 1 x 10/100M Fast Ethernet WAN port
- 2 x AUX serial ports (capable of powering the Bluetooth tracking module)
- 1 x RS232 Traffic signals controller DB9 with quick disconnect clips
- IEC 240V with built in locking to ensure 240V does not dislodge
- USB 2.0 console cable – uses same LCM configuration utility
- 7 second Supercap internal UPS with power fail alarms
- Encrypted Smart Card for configuration (smaller sim size)
- High temperature operating – 70 Deg C
- Dust covers on USB, AUX and Ethernet ports
- PPPoE on WAN port
- Full routing only requires 1 x IP address on WAN port
- LAN port for CCTV ext connection
- Smaller size than current LCM models
- Same mounting spacing as other LCM products