



## TN0011 - M4100 LED Interpretation

TN0011 22 August, 2007

### Purpose:

This TechNote describes the LED status indicators provided on the Ctek Series 4100 product. Beginning with product serial number **0610061001** the Series 4100 LED display was changed to better standardize this important visual indicator. This TechNote first describes the interpretation of the LED display after serial number **0610061001** and then reviews the use of LEDs prior to serial number **0610061001**.

### LED Display – Serial Number 0610061001 and Greater



Figure 1

The Series 4100E SkyRouter has indicators as shown in Figure 1.

**LAN1 – LAN4** – The LAN indicators indicate that an Ethernet port is connected to an active Ethernet device.

The network status indicators LINK and SVC are interpreted as follows:

**SVC** – Multi-color (yellow/green). Indicates:

- a) Power
- b) RSSI

Display	Definition
Off	No Power
Yellow Blinking	Power On – No Signal (RSSI)
Yellow Solid	Power On – RSSI < -88
Green Solid	Power On – RSSI >= -88



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**Link** - Indicates the status of IP connection

Display	Definition
Off	No Connection (IP address)
Green	Connection (IP address) established on 1xRTT

### LED Display – Prior To Serial Number 0610061001



Figure 2

The Series 4100E SkyRouter has indicators as shown in Figure 2.

**Ethernet Activity** – The LAN indicators indicate that an Ethernet port is connected to an active Ethernet device.

**Power** – Indicates that the unit has power applied.

**Network Status** indicator should be interpreted as follows:

**NO IP CONNECTION** - When there is no connection, the led will be in the off state. If there is low signal (less than - 88dBm) you will see one 200msc blink (on) every 4.5 seconds. if there is good signal quality, you will see two 200msc blinks (on) every 4.5 seconds.

**IP CONNECTION** - If there is a connection, the led will be in the on state. If there is low signal, you will see one 200msc blink (off) every 4.5 seconds. if there is good signal quality, you will see two 200msc blinks (off) every 4.5 seconds.