

## **TEES 2009 Model 2070E vs Model 2070L**

The TEES 2009 **Model 2070E with Model 2070-1E CPU** is similar to the Model 2070L with Model 2070-1B CPU with the following hardware and software differences:

### **1.0 Hardware**

#### **1.1 Intergraded Network Switch**

Model 2070-1E works in a 100BaseT Network. It guarantees half duplex network communications between CPU and network switch and takes advantage of the benefits of layer 3 network switching.

The Model 2070-1E provides two RJ-45 Jacks on the Front Plate and network communications access via the Model 2070 Backplane.

#### **1.2 Support for 3.3 Volt Datakeys**

Model 2070-1E works with Off-the-Shelf 3.3 VDC keys from Datakey and reads all keys up to 32 Mbits in size.

#### **1.3 C50J Jack in the Front Panel**

Users can use Standard Cat 5 Patch Cords to communicate via the console port.

#### **1.4 Serial Port 8 LED Indicators**

Provides Serial Port 8 LED Indicators for Tx an Rx on the Model 2070-IE Front Plate.

#### **1.5 Serial Port 3 LED Indicators**

Provides Serial Port 3 and 5 LED Indicators for Tx an Rx on the Field I/O Front Plate.

## 2.0 **Software**

### 2.1 **Standardized Ver Module**

Provides a "ver" utility that consists of loadable module named "bootid". The "bootid" contains the controller identification including the TEES Version, Vendor Name and Image Built Date and can be read via the "ver" utility. The same information can be read programmably via a user program.

### 2.2 **Enhanced netcfg**

The Model 2070-1E contains an improved version of the original "netcfg" utility which allows a user to permanently set the network parameters at the command line and read and display the MAC Address.

Example:

```
netcfg -n -a 10.160.209.99 -m 255.255.255.0 -g 10.160.209.254
```

Sets the controller with the following permanent parameters:

```
IP Address: 10.160.209.99  
Netmask: 255.255.255.0  
Gateway: 10.160.209.254
```

Netcfg displays the MAC Address in addition to the above Network Parameters.  
netcfg -r

```
IP Address: 10.160.209.99  
Netmask: 255.255.255.0  
Gateway: 10.160.209.254  
MAC Address: 00.50.C2.81.60.37
```

Note: The "netcfg" utility now works similarly to the Linux "ifconfig" command.

### 2.3 **Datakey Drivers**

The Datakey Drivers allows user to read up to 32 Mbits Datakeys.

### 2.4 **Standardized Serial Port Initial Parameters**

All serial ports initial parameters are set to default TEES 2009 values.

### 2.5 **Increased DRAM Drive size**

The Model 2070-1E CPU allocates 2 MBytes for the DRAM Drive (/r2) instead of 1MBytes.