# Eclipse Touch MWD Surface System

You need an easy-to-use digital MWD (Measurement While Drilling) surface system that is intuitive in its operation and delivers operational data from the rig site to multiple concurrent users in real-time. The Eclipse Touch MWD surface system marks a new generation of performance and execution simplicity. The system has quickly become a leading decoder in North America and is continuously deployed on hundreds of rigs.

## Features and Benefits

### Integrated Design
Eclipse Touch is a 'plug-and-play' system containing high powered intel processors for guaranteed, built-in processing power.  Compatible with most Tensor based MWD downhole systems.

### Intuitive User Interface
Designed from the ground up with the end user in mind and remote-ops compatibility.

### Multi-Filter Decoding
Eclipse Touch uses a proprietary algorithm optimizing pressure pulse decoding by intelligently choosing between 10+ filtering options. System provides exceptional single transducer pressure pulse decoding.

### Adaptive with a Small Footprint
System can connect to unlimited devices and supports multiple WITS connections.  Wellsite can be setup to use only the RFD or combined with Laptops and Tablets.  System supports multiple wireless connection options such as radios, cellular, and WiFi for wellsite network.
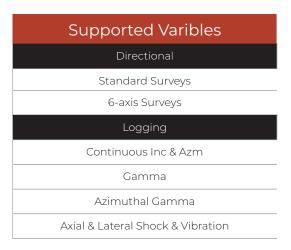


## North American Market Leading Decoder

BLACK DIAMOND

# Eclipse Touch MWD Surface System

## Hardware

### Display

| | |
|---|---|
| Screen | 15-inch LED touch screen |
| Length | 15.6" ( 396 mm ) |
| Height | 12.2" ( 59 mm ) |
| Width | 2.32" ( 59 mm ) |
| Weight | ~ 15 lbs. |

### Input Power

| | |
|---|---|
| Power | 9 - 36 VDC, 5A |
| Power | 100 -120 / 200-240 VAC |
| Current | 50/60Hz, 2A |

### PC Specs

| | |
|---|---|
| RAM | 16GB DDR3 |
| Memory | 250GB SSD |

### Inputs Panel

| | |
|---|---|
| Pressure Transucer | 19-pin Amphenol (4-20mA) |
| PC interface | USB-A |
| Radio Input | Radio 900mHz |
| Networking Inputs | LAN, WiFi, Cellular |
| Peripheral Inputs | AUX cable |
| Certified Zone 1, Intrinsically Safe | |



## Next Generation MWD Compatible
System provides exceptional single or dual transducer pressure pulse decoding.

## Supported Varibles

### Directional

| |
|---|
| Standard Surveys |
| 6-axis Surveys |

### Logging

| |
|---|
| Continuous Inc & Azm |
| Gamma |
| Azimuthal Gamma |
| Axial & Lateral Shock & Vibration |

## Full Kit Includes

### Hardware

| |
|---|
| Rig Floor Display (RFD) |
| RGD Mounting Bracket |
| MP DAQ Assembly |

### Cables

| |
|---|
| 120/240 AC Power Adapter |
| AC/AC Power Cord |
| AC/DC Power Cord |
| RFD USB Cable |
| RFD Ethernet Cable |
| RFD 4-20mA Y-Cable |

### Storage

| |
|---|
| Ruggedized travel case |

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