

# DTE Power over MDI: Building Consensus

Ralph Andersson  
TDK Semiconductor

Daniel Dove  
Hewlett Packard

Robert Muir  
Level One Communications

May 24, 2000

# Objectives:

- I am not going to re-present all of the proposals for the a power over the MDI
- I will focus on the proposals that have occurred within t concerning which pairs to apply power over: the signal p IDLE pairs.
- Benefits of each
- Drawbacks of each
- Consensus on the path where there is the greatest comm
- Is this possible?

# Power over MDI:

- Objectives to be considered from 11/99:
  - (1) Economically provide power over a twisted- pair link segment to a s device.
    - To be included:
      - 10BASE-T,
      - 100BASE-TX.
    - To be considered:
      - 1000BASE-T.
  - (2) Select one power distribution technique for world wide use
  - (3) Not cause damage and inter-operate with compliant RJ- 45 MDI Ethl including:
    - a. Switch- to- switch connections (both supplying power)
    - b. Cross- over cables
    - c. Common mode termination implementations
    - d. Shorted conductors, pairs or loop- back plug Support current standard, 4 cabling infrastructure for installed Cat 3 and Cat 5 cabling

# Power over MDI:

- Objectives to be considered from 11/99 (cont.):
  - (4) Define a capability detection function that works with a powered powered device
  - (6) Add appropriate management objects for power capability and
  - (7) Support current standard, 4- pair, horizontal cabling infrastructure Cat 3 and Cat 5 cabling
  - (8) Preserve the signal transmission and isolation characteristics of equipment and cabling
  - (9) Maintain normal functionality of Link Integrity Test function in l devices

# Power over MDI:

- Motions to be considered:

- (1) Without specifying the two and only two pairs to be utilized for DTE power shall utilize two pair powering where each wire in the pair is a potential and the power supply potential is between the two pairs selected.

Moved: Michael McCormack      Second: Henry Hinrichs

Yes: 23 Opposed: 4 Abstains: 3, Total attendance: 33, January 21, 2014

- (2) Regardless of the detection scheme adopted and the power feed scheme, power detection and the power feed shall operate on the same set of pairs.

Moved: Michael McCormack      Second: Dave Richkas

Yes: 31 Opposed: 0 Abstaining: 1, Total Attendance 33, January 21, 2014

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.