

# FleX-Net Comparison Chart

## Technical Performance Analysis of Networked Fire Alarm Systems

| Performance Criteria  | Mircom (Flex-Net II)                        | Edwards (EST3)                 | Notifier (Onyx NF S2-3030)     | Siemens (XL S)            | Simplex (4100ES)          |
|---|---|--------------------------------|--------------------------------|---------------------------|---------------------------|
| Peer-to-Peer Network Performance<br>All nodes are equal, no slave or master. Eliminates centralized computing for increased survivability.  | Yes   | Yes                            | Yes                            | Yes                       | Yes                       |
| ULC List Fire Control Units<br>All components are ULC listed.   | Yes   | Yes                            | Yes                            | Yes                       | Yes                       |
| Graphic User Interface Work Station<br>ULC-listed PC to display network event information with active graphics screens and flashable icons. | Yes   | Yes                            | Yes                            | Yes                       | Yes                       |
| Multiple Network Link Capability<br>Multiple networks communicating at one display and control centre.                                      | Yes   | Yes                            | Yes                            | Yes                       | Yes                       |
| Number of Points Per Link   | 318 (159 sensors, 159 modules) <sup>1</sup> | 250 (125 sensors, 125 modules) | 318 (159 sensors, 159 modules) | 252 (sensors and modules) | 250 (sensors and modules) |
| Number of Links Per Node  | 29  | 10                             | 10                             | 30                        | 9                         |
| Number of Points Per Node   | 9000+                                       | 2500                           | 3180                           | 2500                      | 2000                      |
| Number of Nodes Per Network   | 63  | 64                             | 103                            | 64                        | 99                        |
| Number of Points Per Network  | 580000+                                     | 160,000                        | 327,000                        | 392,000                   | 784,000                   |
| Network Wiring Path Distance  | No limit with repeaters                     | 160,000 feet                   | No limit with repeaters        | 70,000 ft. (fiber)        | No limit with repeaters*  |
| Wiring Distance Between Nodes   | 4000 ft. Wire, 6500 ft. Fiber               | 5000 ft. Wire, 8000 ft. Fiber  | 3000 ft. Wire, 10000 ft. Fiber | 10000 ft.                 | 10000 ft.                 |
| LCD Display   | 80 or 960 Characters                        | 168 or 960 Characters          | 640 Characters                 | 80 Characters             | 80 or 854 Characters      |
| CAN/ULC S524 Table 1 Data Performance Requirements  |   |                                |                                |                           |                           |
| 1. DCLB Performance   | Yes   | Yes                            | Yes                            | Yes                       | Yes                       |
| 2. DCLA Performance   | Yes   | Yes                            | Yes                            | Yes                       | Yes                       |
| 3. DCLC Performance   | Yes   | Yes                            | Yes                            | Yes                       | Yes                       |
| CAN/ULC S524 Table 2 System Response Requirements   |   |                                |                                |                           |                           |
| Network Cable Requirements<br>Number of required cables between nodes.  | 1   | 2                              | 1                              | 2                         | 1                         |
| Device Status Disabled<br>If device is disabled, system will still report status.   | Yes   | Yes                            | Yes                            | Yes                       | Yes                       |

**Note:** The above chart is provided based on historical web-based public knowledge, for specific clarification we recommend that you consult the specific service provider/manufacturer.

1: Mixing CLIP and AP devices on Mircom's Flex-Net is permitted, AP devices still work as AP devices.