

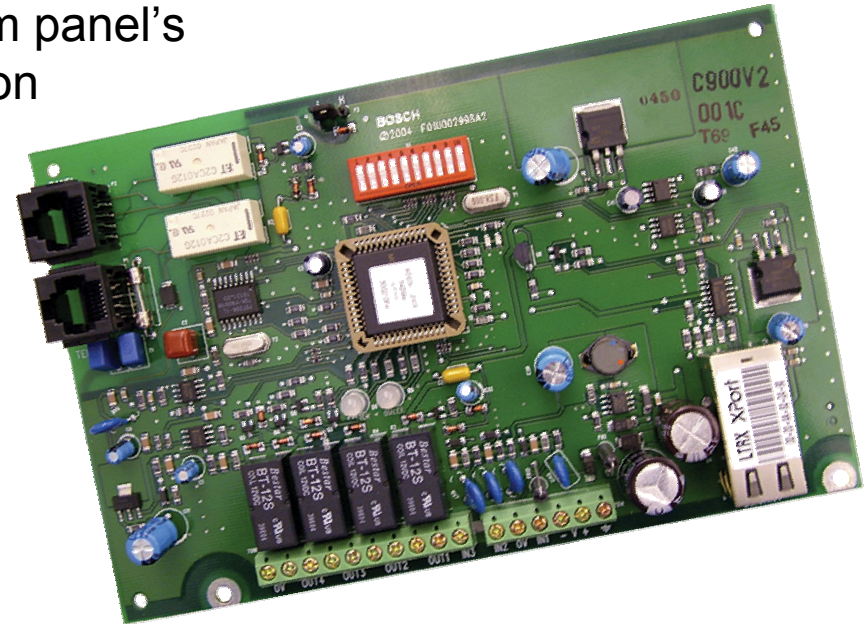
C900V2 Dialer Capture to IP Alarm Communicator

Product Overview

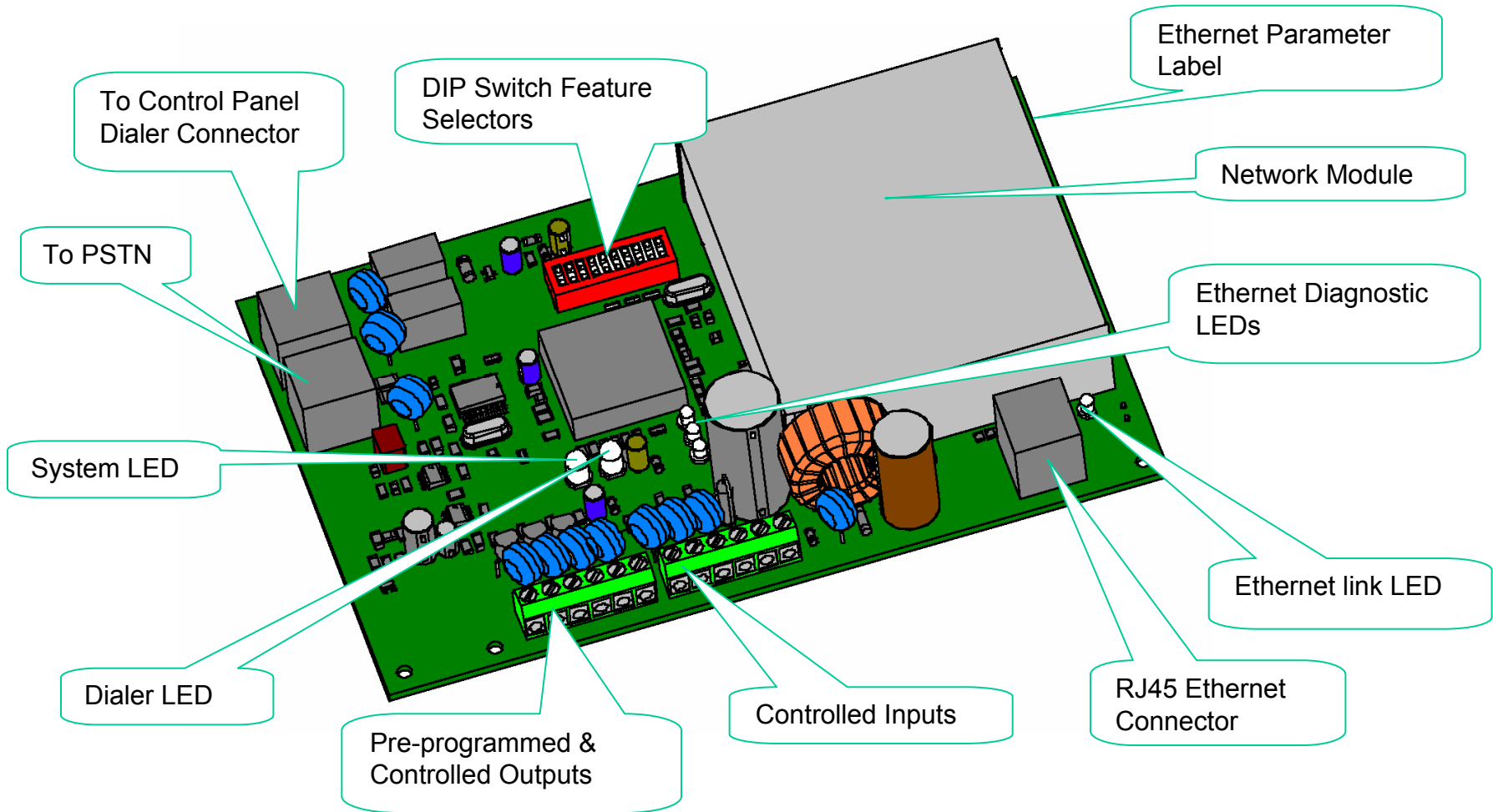


C900V2 Dialer Capture Module

- The C900V2 is designed to link an alarm panel's digital dialer to an Ethernet connection on LAN/WAN
- Connects one side to the Public Switched Telephone Network (PSTN) and the digital dialer's Telco interface, and the other side to the LAN/WAN.
- When the module is reporting over LAN/WAN, the PSTN line is physically disconnected from the control panel. The module can be switched from LAN/WAN to PSTN connection (Fallback Mode) via on-board inputs or by D6200 software commands.



C900V2 Dialer Capture Module



IP Alarm Communications

- IP Alarm communication is the ability to send alarm reports over a broadband network. This can include a local or a wide area network, and the internet.

- **End User Benefits**
 - **Higher speed.** IP alarm communication is virtually instant.
 - **Higher security.** Supervised more frequently than standard telephone communicators.
 - **More convenience:** Does not interrupt the phone line.
 - **Lower Cost:** Can be used as the primary communication path – eliminating the monthly phone line costs.

- **Installer Benefit**
 - **Up-sell opportunity:** Increase recurring monthly revenue by selling the advantages of IP communication.
 - **Customer retention:** Quickly Resolve VoIP issues



12 to 24 VDC Operation

→ End User Benefits

- **Reduced Cost:** Can be used on fire or intrusion panels without additional cost for power supplies.

→ Installer Benefit

- **Reduced installation cost and complexity:** No need to add a separate power supply, especially for fire applications



Dialer Capture

→ *The C900V2 connects to the telephone dialer section of an existing alarm control panel, listens for messages that are destined for the central station, converts the messages to internet protocol (IP) messages and sends it over a local area or wide area network to the D6600 central station receiver.*

→ End User Benefits

- **Simple Solution:** The end user can continue to use their existing control panel. There is no need to learn new commands.
- **Saves cost:** Since the C900V2 can be added to the existing system, the end user does not need to bear the cost of an entire new alarm system installation.

→ Installer Benefit

- Quick conversion of existing control. No reprogramming, no additional module to add (such as relays). This saves time, cost and reduces complexity



Full Data Transfer

- *The C900V2 converts the entire data message, including zone numbers and user numbers. Some competitive modules can send only 5 different reports, and will not include the zone number or user number with these reports.*

- **End User Benefits**
 - **Better information:** Improves response to events and avoids mistakes due to lack of this information.
 - **Improved response to alarm events:** Helps authorities respond more accurately, reducing response time.

- **Installer Benefit**
 - **More accurate service:** Helps determine the type of service required and the urgency of the situation.



Intelligent Phone Line Backup

- *If the network connection can not be established, C900V2 can send alarm messages over the standard telephone line as a backup.*

- **End User Benefit**
 - **Added security:** In the event of a network failure, C900V2 provides an intelligent telephone back-up
 - **Reduced Telephone traffic:** Unlike some other slave modules, C900V2 only uses the phone line when it has to.

- **Installer Benefit:**
 - **Improved reliability:** Signals are sent to central station, even if network is down.



→ Residential

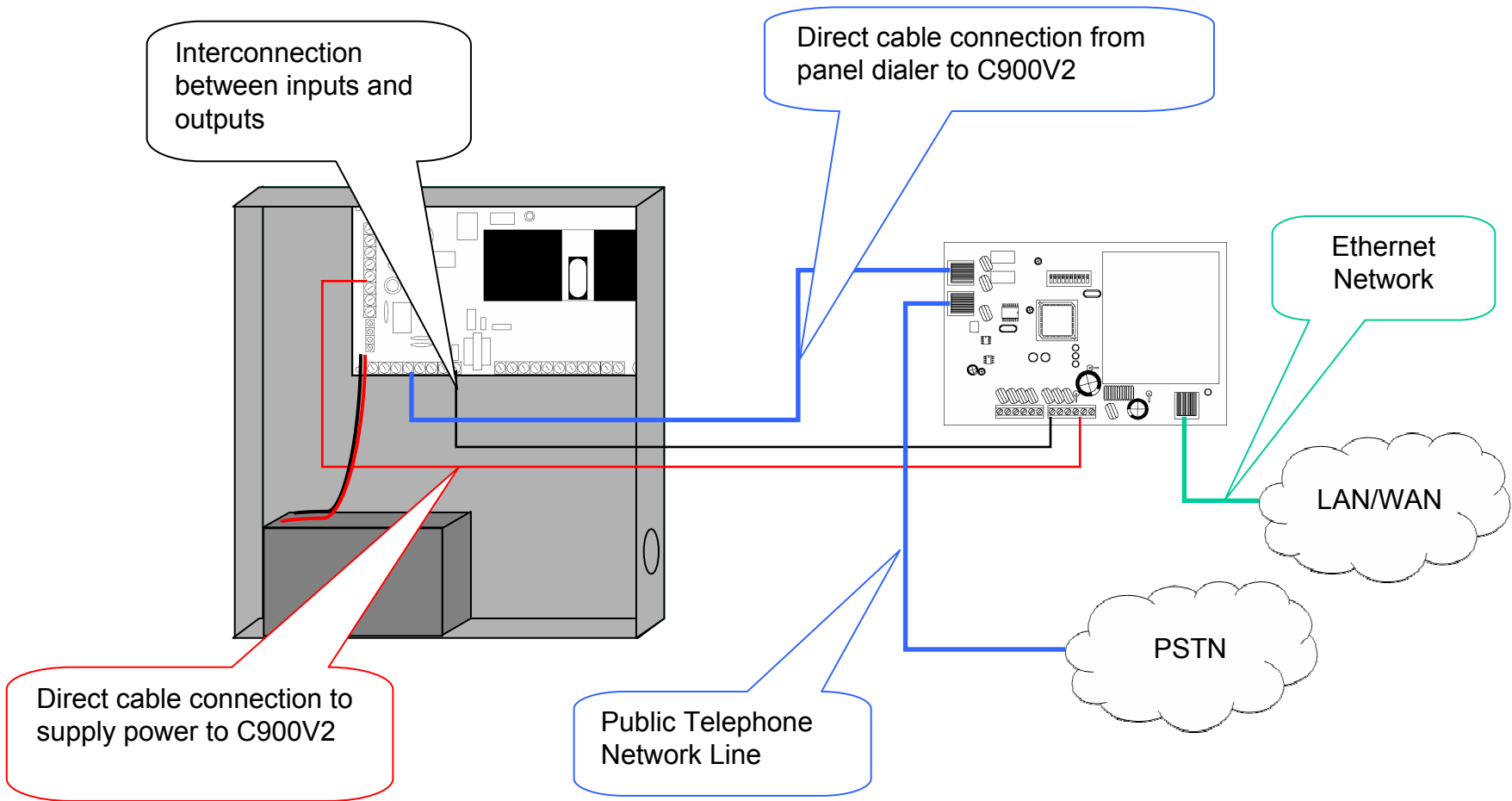
- Homeowners who own an alarm system and have switched from standard telephones to voice over IP
- Homeowners who own alarm system and have high speed internet access, especially those who have eliminated their standard telephone and switched to cell phones

→ Commercial

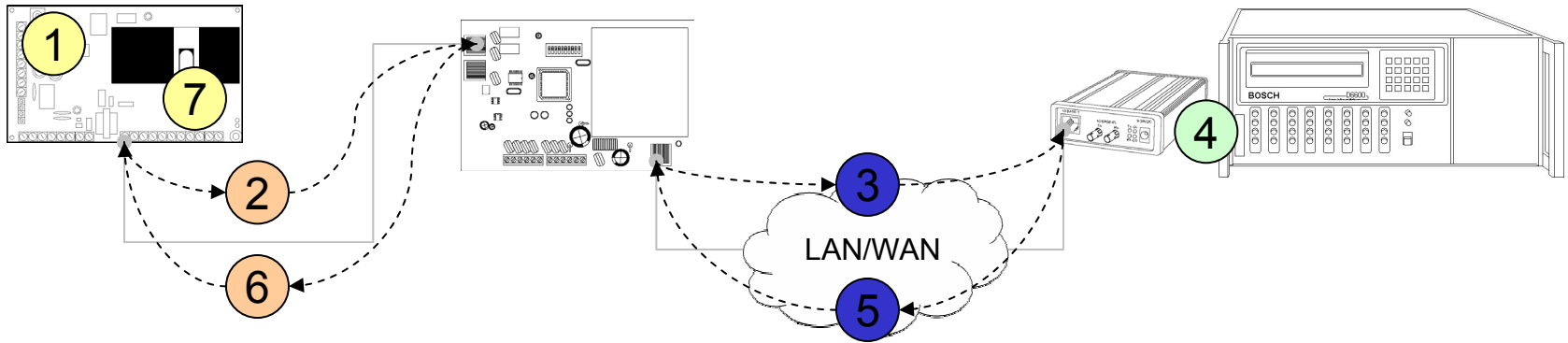
- Businesses that also have broadband
- Offices that frequently use their telephone for business



C900V2 Connection Diagram



C900V2 “End-to-End” Security

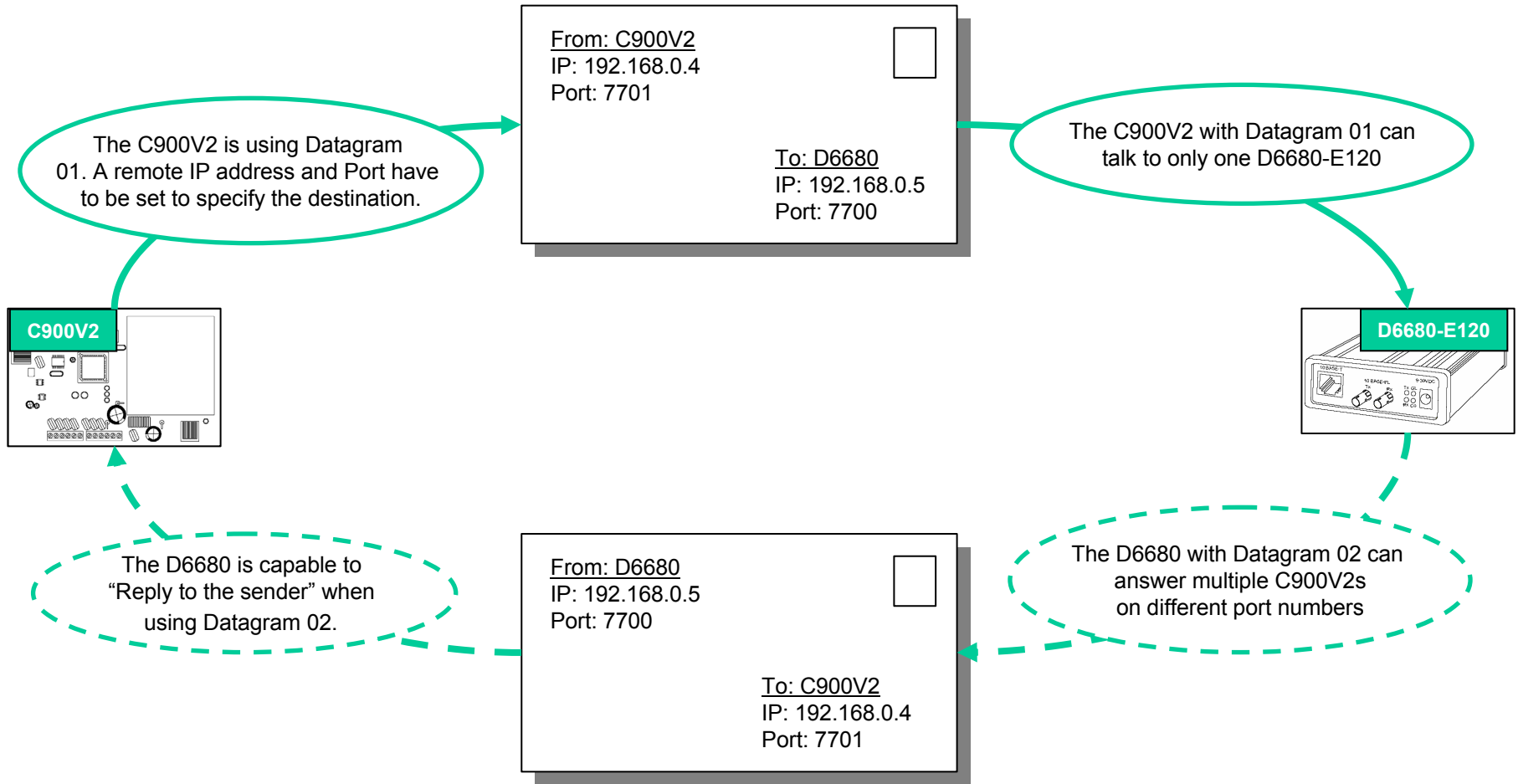


Communication Phase	1	2	3	4	5	6	7
Device(s) in action	Panel	Panel - C900V2	C900V2 - D6600	D6600	D6600 - C900V2	C900V2 - Panel	Panel
Dialer	Dial	Wait for Handshake	Data Transmit	Wait for Acknowledgement			Hang up
C900V2		Handshake	Data Transmit			Acknowledgement	
D6600				Data Processing	Acknowledgement		



BOSCH

C900V2 Message Transport & Acknowledgment





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