

1. Introduction

This Installation Sheet covers the Phone/Data 6 Port Module (P/N CO1000) normally housed in an On-Q enclosure (see **Figure 1**), which helps to maximize the efficiency of each Cat 5e cable run by combining voice and data over each Cat 5e (see the typical associated Phone/Data Wall Outlet in **Figure 2**).

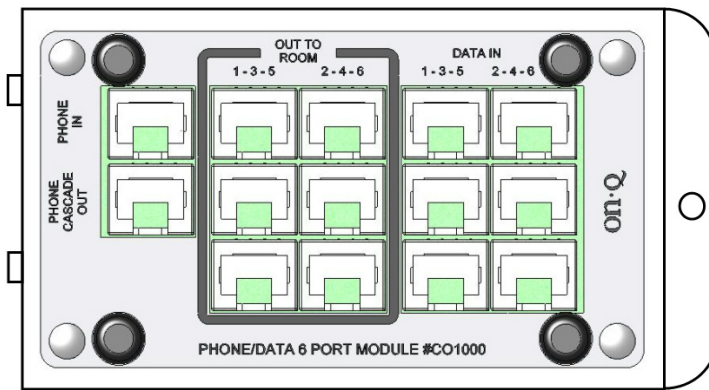


Figure 1

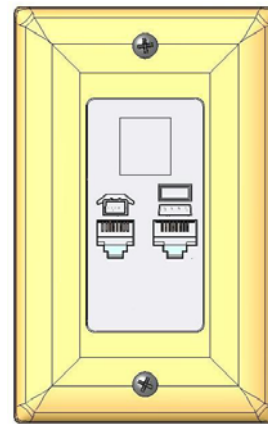


Figure 2

2. Description

The Phone/Data 6 Port Module is provided with a Single Bay Module Mounting Bracket (P/N 364890-01) that allows it to be installed in any On-Q style enclosure. The Phone/Data 6 Port Module includes a “PHONE IN” RJ-45 jack for voice support of up to two incoming phone lines and six “DATA IN” RJ-45 jacks used for Ethernet data support which is then combined with voice support onto the six “OUT TO ROOM” RJ-45 jacks. The “PHONE CASCADE OUT” RJ-45 jack provides pass-through of all four incoming phone lines to any other modules in the enclosure.

3. Installation

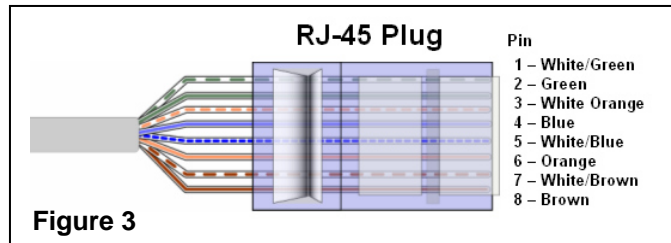
Although installation of the Phone/Data 6 Port Module may be performed as part of new construction, using the traditional “rough-in” and “trim-out” steps, installation is most likely to occur as part of a retrofit procedure where the customer’s desire is to expand capability of a single existing structured wiring cable.

- A. Either run a new Cat 5e cable from the enclosure where the On-Q Phone/Data 6 Port Module will be installed to a single gang box or mud ring at each location where a Phone/Data Wall Outlet Strap will be installed, or simply remove the wall plate and disconnect an existing Cat 5e cable from an existing telephone or data RJ45 jack at the desired location.

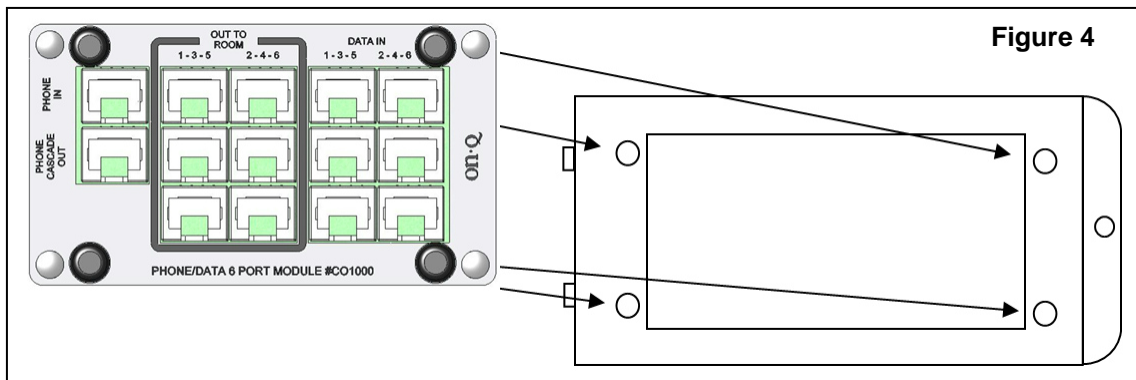
NOTE: See IS-0341 for installation instructions related to the Phone/Data Wall Outlet Straps.

NOTE: If a distributed video capability is desired at the new Phone/Data Wall Outlet Strap location, also run a coax cable from the distribution device in the enclosure to the single gang box or mud ring for the strap.

- B. At the enclosure, for new cable runs, terminate each Cat 5e cable from each room location with an RJ-45 Plug using standard TIA 568A wiring. If this is a retrofit installation using existing cable, insure all the cabling complies with TIS 568A wiring standards (see **Figure 3**).



- C. Install the Phone/Data 6 Port Module onto the included bracket by pushing in the push pins in each corner of the module. (see **Figure 4**).



- D. Then attach the bracket with module attached to the On-Q enclosure by slipping the bracket tabs into the slots on the left and pushing in the bracket push pin to secure the bracket with module to the enclosure.
- E. Plug in the RJ-45 plug from the phone company to the “PHONE IN” jack, and the RJ-45 plugs from the data distribution device (router/switch) to the “DATA IN” RJ-45 jacks.
- F. Then plug in the RJ-45 plugs from the room locations, and if required, plug in the jumper from another telco module to the “PHONE CASCADE OUT”.