AS/400 Wireless LAN Adapter

The AS/400 Wireless LAN Adapter provides wireless connectivity from AS/400 systems to workstations, Portable Transaction Computers (PTCs), or other systems connected to a wireless LAN network. With a wireless LAN connection, end-users can have untethered, portable access to the information they need, wherever they are, within the area of local wireless radio coverage. Support is provided for portable and desktop PCs, for specialized hand-held Portable Transaction Computers (PTCs) used for data collection, and for connections between AS/400 systems.

The AS/400 Wireless LAN Adapter comes with an antenna and a cable for connecting the antenna to the adapter. The area of coverage may be extended beyond the coverage provided by the antenna attached to the adapter, by adding AS/400 Wireless LAN Access Points to the network. Each AS/400 Wireless LAN Adapter or Access Point generates one cell of coverage area. The range covered by one cell in most indoor environments is from 100 to 500 feet in all directions, depending on the building structure, antenna type, and antenna placement. Distances of up to three miles, with a clear line-of-sight, may be achieved with a Yagi directional antenna. Networks are designed to create overlapping cells to ensure consistent coverage of the area desired. The AS/400 Wireless LAN Network allows transparent seamless movement (roaming) from cell to cell while maintaining a continuous host session.

The AS/400 Wireless LAN Adapter operates with existing application software interfaces. Existing 5250 and LAN-based applications can use the AS/400 Wireless LAN Adapter without modification.

The AS/400 Wireless LAN Adapter supports the AS/400 family of wireless LAN and data collection devices. This family of devices provides comprehensive connectivity solutions for attaching personal computers and data collection devices to the AS/400 in a wireless fashion.

Technical Information

- Operating Environment:
  - Temperature: $10^\circ - 38^\circ$ C ($50^\circ - 100^\circ$ F)
  - Relative Humidity: 8% - 80%
- Hardware Requirements:
  - AS/400 Model DXX or later except D02 and E02
  - I/O Attachment Processor (FC #2663)
    This feature provides the communications hardware base for the AS/400 Wireless LAN Adapter (FC #2668) and is configured automatically by the AS/400 Configurator (CFAS400) whenever FC #2668 is chosen. The two features are integrated in a single hardware package to operate as a unit. FC #2663 consists of a new I/O processor card that provides a connection to FC #2668.
  - One I/O card slot is required (shared with FC #2668)
  - Up to 3 Wireless LAN Adapters may be installed in a single AS/400
- Software Requirements:
  - Operating System/400 Version 3 Release 1.0 or later

Ordering Information

Description	Feature Code	List Price (US $)
I/O Attachment Processor *FC #2663 is a prerequisite to FC #2668.*	2663	$ 3,300
AS/400 Wireless LAN Adapter (includes a cable and an antenna)	2668	$ 1,700
Cables – choose one of the following:		
20-Foot Antenna Cable	9814	N/C
50-Foot Antenna Cable	9815	N/C
Antennas – choose one of the following:		
Omni-Directional ($360°$)	9890	N/C
Hemispherical ($180°$)	9891	N/C
Directional ($90°$)	9892	N/C

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