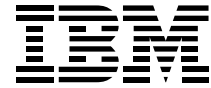


Energize your business network



Communications Server for OS/2 Warp Windows Access Feature

Highlights

- **Make application decisions, independent from existing network protocols, based on business needs**
- **Access the information you need, when you need it, from the central computer or LAN—whether you're at home, on the road, or in a customer's office**
- **Improve your network systems management through consolidated traffic and reduced need for parallel networks**
- **Bolster user productivity with a product that has a proven reliable track record**

Welcome to protocol independence!

The Windows Access Feature is a free-standing component, packaged with the IBM Communications Server for OS/2 Warp, Version 4 (Communications Server), that can be purchased and installed separately to support application development in the Windows environment. This component provides SNA services and application programming interfaces for LAN-attached workstations and can function independent from the Communications Server.

The Windows Access Feature provides APPC programming support and enables APPC applications to run unchanged over either SNA or TCP/IP local and wide area networks. This means your Windows workstations can participate in many existing networks, with IBM and non-IBM systems that

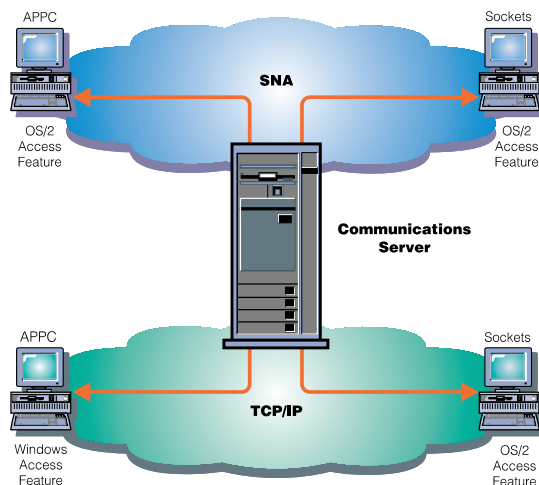
support APPC. Because they implement CPI-C programs, your networked Windows workstations can communicate with partner programs that use the CPI-C or any APPC API.

The Windows Access Feature contains AnyNet multiprotocol technology, providing a way for you to communicate with applications on AIX, OS/2, OS/400, MVS/ESA, and Windows systems. You can interconnect networks, without impacting applications, and reduce network complexity and costs at the same time.

Access APPC over TCP/IP

Windows Access Feature allows you to extend CPI-C applications to TCP/IP users, without adding a separate SNA network. Plus, CPI-C applications can communicate between multiple access nodes or from an access node through an SNA/IP gateway in Communications Server.

Windows Access Feature accommodates changing network needs through network protocol independence, flexibility of connectivity options, and investment-protecting migration. Windows Access Feature and Communications Server are the ideal solution for today's rapidly changing network environments.



Communications Server provides multiprotocol support and enables applications to run unchanged over either SNA or TCP/IP local and wide area networks.

<i>Feature</i>	<i>Benefit</i>
Multiprotocol support	Provides multiprotocol access node for APPC over TCP/IP
SNA phone connect	Allows the mobile worker to access a large computer connection Takes advantage of enhanced WAN connectivity over switched and nonswitched lines, including automatic dialing support Supports SDLC Supports PCMCIA and mobile adapters and modems Supports synchronous and asynchronous connectivity
Advanced program-to-program communications (APPC)	Delivers distributed processing capabilities by enabling different network nodes to share resources and tasks Provides for peer-to-peer interaction and communication among a variety of IBM systems Supports basic and mapped conversations Supports multiple logical units and multiple concurrent links
Common Programming Interface for Communications (CPI-C)	Offers the function of APPC in a consistent form across multiple system platforms Permits smooth migration of applications from one system platform to another (from an OS/2 platform to an OS/400 platform, for example) Supports CPI-C, Version 2, with nonblocking and full-duplex API
Advanced Peer-to-Peer Network (APPN) support	Brings you the benefits of peer networking—including simplified configuration, better availability, dynamic routing, and easier maintenance Offers a way for existing APPC and CPI-C applications to take advantage of peer networks

IBM Windows Access Feature connectivity summary

Supported systems	Interface	Protocol	Required file transfer program	Link1
IBM System/370 and System/390	CPI-C	LU 6.2		<ul style="list-style-type: none"> • SDLC • SNA phone connect (for SDLC) • Token ring (3172, 37xx) • Token ring, PC network, or Ethernet, using SNA gateway • Ethernet (374x), PC network • ATM (LAN emulation) • SNA over TCP/IP
Personal computers	CPI-C	LU 6.2		<ul style="list-style-type: none"> • SDLC • Token ring² • PC network • Ethernet • SNA over TCP/IP
	IEEE 802.2	IEEE 802.2		<ul style="list-style-type: none"> • Token ring • PC network • Ethernet
IBM AS/400 and IBM System/36	CPI-C and Sockets EHNAPPC	LU 6.2		<ul style="list-style-type: none"> • SDLC • Token ring • Twinaxial (AS/400 only, including remote connection through 5394) • Ethernet (AS/400 only) • SNA phone connect (SDLC) • SNA over TCP/IP
IBM System/38	CPI-C	LU 6.2		<ul style="list-style-type: none"> • SDLC
IBM Series/1	CPI-C	LU 6.2		<ul style="list-style-type: none"> • SDLC
IBM System/88	CPI-C	LU 6.2	ASYNC	<ul style="list-style-type: none"> • SDLC

IBM Windows Access Feature connectivity summary (continued)

Supported systems	Interface	Protocol	Required file transfer program	Link ¹
IBM RISC System/6000	AIX 3270 Host Connect Program/6000	LU 6.2		• LAN • SDLC • SNA over TCP/IP
	CPI-C and Sockets	LU 6.2		• SDLC

Notes:

1. Windows Access Feature supports combinations of these links.
 2. SNA gateway is attached to a System/390 computer through an SDLC token-ring.
-

IBM Windows Access Feature at a glance

System requirements	Intel 386 (or compatible microprocessor), or later Communications adapter card
Media	Diskette images shipped on the Communications Server CD-ROM
Software requirements	Microsoft Windows, Version 3.1, or later, or Windows for Workgroups, Version 3.11, or later, running in enhanced mode with DOS, Version 5, or later
For TCP/IP networks, the following stacks are supported	IBM TCP/IP for DOS, Version 2.2.2, with CSD UB10718 FTP PC/TCP OnNet, Version 1.1, for DOS/Windows FTP PC/TCP Networking Software for DOS/Windows, Version 3 Microsoft TCP/IP for Windows for Workgroups, Version 3.11 Novell LAN WorkPlace for DOS, Version 4.2 Walker Richer Quinn (WRQ) TCP Connection for Windows, Version 4
Memory requirements	4MB of RAM (minimum)
DASD requirements	2MB of available disk space (minimum)
API capability	APIs—common programming interfaces for communication (CPI-C, Version 2), EHNAPPC, and node operator facility (NOF) LU 6.2—including incoming link, session binds, and TP attachments Developer's Toolkit—advanced operations, trace facility, CPICWIN, and source examples
Supported communication services and protocols	APPN (LEN node) IBM Token Ring (4 Mbps or 16 Mbps) Ethernet IBM PC Network Twinaxial data link control (TDLC) Synchronous data link control (SDLC) SNA Phone Connect (SDLC over async) Wireless LAN and cellular data Fiber distributed data interface (FDDI) TCP/IP, using IBM AnyNet for APPC over TCP/IP for Windows Applets, APING, ATELL, AFTP, Program Launcher and Autostart Extensive online help and information
Warranty	Three months—media

For more information about IBM Communications Server for OS/2 Warp contact your IBM representative, IBM business partner, or call your local IBM networking contact as listed below:

Country	Phone	Fax
IBM Argentina	1 319 6655/6666	1 319 6100/6300/6600
IBM Australia	132 426	2 354 7766
IBM Austria	21145 2500	21145 3388
IBM Bangladesh	880 2 889783/86	880 2 889788
IBM Belgium	02 225 2525	02 225 2424
IBM Brazil	0 800 111426	0 800 133425
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Guangzhou	20 7787268	20 7787238
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IBM Denmark	80 311 010	80 301 125
GBM Dominican Republic	566 5161	566 3501
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GBM El Salvador	2 98 5011/2815	2 98 2838
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GBM Guatemala	2 31 5859/5905	2 34 6254
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San Pedro Sula	53 2277/4221	53 4748
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IBM India (TATA-IBM)	080 5267117	080 5268344
IBM Indonesia	21 2512922	21 2512933
IBM Ireland	1850 205 205	01 660005
IBM Israel	03 1770223888	03 6959985
IBM Italy	167 017 001	039 600 7151
IBM Japan	03 3586 1111/0210 04 1992	044 200 8600
IBM Korea	2 781 6611	2 780 8216
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IBM Mexico		
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IBM Norway	66 99 80 00	66 99 93 33
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IBM Peru	366345 ext. 1538	
IBM Philippines	2 815 4002	2 817 1059
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IBM Saudi Arabia	1 405 6910	1 402 5474
IBM Singapore	1 800 320 1234	225 9444
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IBM Spain	901 100 400	91 519 3494
IBM Sri Lanka	1 440810/324074	1 434594
IBM Sweden	8 793 1000	8 793 2405
IBM Switzerland	01 436 6111	01 436 7696
IBM Taiwan	2 7767878	2 7737312
IBM Thailand	2 2734444	2 2730188
IBM Turkey	90 212 280 09 00	90 212 278 04 37
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IBM Uruguay	92 36 17	92 11 44
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 P.O. Box 12195
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 USA

Printed in the United States of America
 3-96
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G325-3566-00