The IBM Wide Area Switch Family

The IBM WAN switching strategy is based on the premise that customers require network solutions that can carry high volumes of traffic at high speed, coping with both legacy and new emerging applications in a single network structure. Such a network would mix data, voice, image and video information and transport the different traffic types over a single channel for each. The network would have to be able to deliver Quality of Service (QoS) in order to transport traffic with varying communication requirements and to guarantee transmission characteristics for each user.

Wide Area Switch Family at a glance

Product	Protocols supported	Number of slots/ports	Adapters
2220 Nways BroadBand Switch	ATM, voice, ISDN, Q.SIG, X.25 DCE, Frame Relay, CES and HDLC	6, 8 or 14 slots	*ATM*: 1-port SONET STS3c/SDH STM1 SMF, MMF or electrical; 2-port ATM DS3; 2-port ATM E3 *High-speed*: 1-port T3; 1-port E2/E3/J2; 1-port HSSI *Low-speed*: 4-port V.25/V.26/X.21; 4-port E1; 8-port E1; 4-port T1/J1; 8-port T1/J1; 4-port JJ-20, 2-Mbps TTC *Voice server*: GSM/ADPCM
2218 Nways Frame Relay Access Device	Frame Relay, SDLC, SNA and X.25 QLLC	*0xx Models*: 2 serial ports on all models; 1 Token-Ring port (Model 02T), 1 Ethernet port (Model 02E) *3xx Models*: 2 serial and 1 Token-Ring Port (Model 32T); 2 serial and 1 Ethernet port (Model 32E); 4 serial and 1 Token-Ring port (Model 34T); 4 serial and 1 Ethernet port (Model 34E); 8 serial and 1 Token-Ring (Model 38T); 8 serial and 1 Ethernet (Model 38E)	N/A
9729 Optical Wavelength Division Multiplexer	ESCON®, ISC, FDDI, Fast Ethernet and OC3	10 channels	Diagnostic Card; Temperature control card; Temperature control card for ISC; Laser receiver cards; FDDI Card; ESCON Card; Fiber I/O Card; ISC for Coupling Links Adapter Card; Dual-Fiber I/O Card