# PRODUCT SELECTION GUIDE 2011.V3

D-Link Networking Solutions for SMB & SME



WIRELESS | SWITCHING | SECURITY | IP SURVEILLANCE | STORAGE | SERVICES & SUPPORT





#### **NETWORK STORAGE**

The Network Attached Storage (NAS) are compact storage devices that can be easily connected to a home or office network, or to the Internet. Ideal for disk and file sharing, these devices provide the hardware reliability and interoperability with major operating systems. They come with embedded software for ready file access that saves users the cost of buying separate OS software and the trouble of installing it.

The Network Video Recorder (NVR) are compact storage devices which are purpose designed for recording video from surveillance cameras over a network. NVRs provide high quality remote monitoring functionality at a fraction of the cost of conventional surveillance systems.

The Storage Area Networks (SANs) devices are designed to provide a reliable network data storage solution for customers in the SMB and SME segments. Utilising a 10-Gigabit iSCSI System-on-a-Chip (SoC) solution that can handle over 200,000 I/Os per second and capable of supporting over 180TB raw capacity using high-capacity hard drives, these SANs can easily be implemented as near line storage to supplement primary IP network storage solution or be used as a basic backup and recovery device.

Model	Product	Description
NETWORK ATTACHI	ED STORAGE (NAS)	
DNS-343	ShareCenter 4 Bay Network Storage	3.5" SATA Drive Support, Drive Configurations include: Standard, JBOD, RAID 0, 1 and 5, Gigabit Ethernet Port, USB Print Server/UPS, FTP and UPnP AV for storing and streaming media files.
DNS-1200-5	5 Bay Network Storage	3.5" SATA Drive Support, Drive Configurations include: Standard, RAID 0, 1, 1+0, 5, 5+Spare, 6, JBOD. ISCSI Support. Two Gigabit Ethernet Ports, User Quota Management, Web-Based File Management. Suitable for business storage applications.
NETWORK VIDEO RI	ECORDER STORAGE (NVR)	
DNS-726-4*	2 Bay NVR Storage – 9 Cameras	3.5" SATA Drive Support, Drive Configurations include: Standard, RAID 0 and RAID 1, Gigabit Ethernet Port, Record Video from up to 9 Network Surveillance Cameras, 4 Channel Playback, Supports D-Link and Third Party Surveillance Cameras such as ACTi, Axis, Cisco, Mobotix, Panasonic and Sony. Please visit www.dlink.com.au for further information on supported cameras.
DNS-722-4*	2 Bay NVR Storage – 9 Cameras	3.5" SATA Drive Support, Drive Configurations include: Standard, RAID 0 and RAID 1, Gigabit Ethernet Port, Record Video from up to 9 Network Surveillance Cameras, Single Channel Playback, Supports D-Link Surveillance Cameras ONLY.  Please visit www.dlink.com.au for further information on supported cameras.
STORAGE AREA NET	TWORKS (SAN)	
DSN-1100-10	5 Bay iSCSI SAN Array	5 x Hot-Swap 3.5° SATA Hard Drive Bays, RAID 0, 1, 1 + 0 and 5, 4 x Gigabit Ethernet iSCSI Ports, Internal Power Supply, IP SAN Device Manager, SSL Security to Management Console and Compact Cube Chassis.
DSN-2100-10	5 Bay iSCSI SAN Array	8 x Hot-Swap 3.5° SATA Hard Drive Bays, RAID 0, 1, 1 + 0 and 5, 4 x Gigabit Ethernet iSCSI Ports, 2 x Hot-Swap Internal Power Supply, IP SAN Device Manager, SSL Security to Management Console and Industry Standard 2U 19' Chassis.
DSN-6120	12 Bay iSCSI SAN Array with Dual Controllers	12 x Hot-Swap 3.5" SATA/SAS Hard Drive Bays, RAID 0, 1, 0+1, 5, 6, 10, 30, 50, 60, JBOD, RAID Level Migration, 8 x Gigabit Ethernet iSCSI Ports, 2 x Hot-Swap Internal Power Supply, 2 x SAS Expansion Ports, expandable up to 60 drives using DSN-6020, 2U 19" Chassis.
DSN-6420	12 Bay iSCSI SAN Array with Dual Controllers	12 x Hot-Swap 3.5" SATA/SAS Hard Drive Bays, RAID 0, 1, 0+1, 5, 6, 10, 30, 50, 60, JBOD, RAID Level Migration, $4 \times 10$ Gigabit Ethernet iSCSI Ports, $2 \times 10$ Hot-Swap Internal Power Supply, $2 \times 10$ SAS Expansion Ports, $2 \times 10$ Hot-Swap Internal Power Supply, $2 \times 10$ Hot-Six Supply and $2 \times $

 $<sup>\</sup>hbox{^* IMPORTANT NOTE:} These products cannot be used for data storage nor can they be accessed like a NAS$ 

### MEDIA CONVERTER CHASSIS AND MEDIA CONVERTERS

D-Link media converters convert signals for transmission on one type of cable to signals for transmission on another type of cable. This allows IT personnel to connect longer distance fibre cables between devices that are designed only for shorter distance cables, such as the Cat. 5 twisted-pair cable.

Model	Product	Description								
DMC-1000	Media Converter Chassis	Rackmount chassis with capacity to power 16 media converters. All media converters are hot swapable when in chassis.								
DMC-1001	Redundant Power Supply	Power overload protection and load sharing when installed in Media Converter Chassis.								
DMC-1002	Management Module	SNMP Management option for Media Converter Chassis. Allows user to monitor real-time status of all media converters and power supplies in chassis.								

Model	Media Type Conversion	Max. Cable Length	Network Speed	Fibre Connector	Wave Length	Min. Tx Power (Launch Power)	Max. Tx Power (Launch Power)	Sensitivity	Power Budget
DMC-300M	Copper to Multi-Mode Fibre	2 km	100Mbps	MT-RJ	1300nm	-23.5dB	-14dB	-31dB	-31dB
DMC-300SC	Copper to Multi-Mode Fibre	2 km	100Mbps	SC	1300nm	-23.5dB	-14dB	-31dB	-31dB
DMC-515SC	Copper to Single-Mode Fibre	15 km	100Mbps	SC	1310nm	-20dB	0dB	-32dB	-32dB
DMC-560SC	Copper to Single-Mode Fibre	60 km	100Mbps	SC	1310nm	-5dB	0dB	-35dB	-35dB
DMC-615SC	Multi-Mode to Single-Mode Fibre	15 km	100Mbps	SC	1310nm	-15dB	-8dB	-31dB	-31dB
DMC-700SC	Copper to Multi-Mode Fibre	550 m	1Gbps	SC	850nm	-9.5dB	-4dB	-12.5dB	-12.5dB
DMC-810SC	Copper to Single-Mode Fibre	10 km	1Gbps	SC	1300nm	-9.5dB	-3dB	-14.4dB	-14.4dB

#### **KVM SWITCH**

Model	Product Description
DKVM-4K	4-Port KVM Switch
DKVM-8E	8-Port KVM Switch
DKVM-CB	Cable Kit



Limited Lifetime Warranty for Business Grade Products<sup>\*</sup>

\*Conditions apply see website.



# **SWITCHES**

D-Link offers a comprehensive range of high-performance managed and unmanaged switches. The managed switches provide solutions for Workgroup (up to around 50 seats), Departmental (up to around 200 seats) and Enterprise (200 plus seats) networks. The unmanaged desktop and rackmount switches provide plug-and-play 10/100Mbps or Gigabit network connections that are ideal for SOHO and SMB environments. The range includes Layer 2/3, Fast Ethernet, Gigabit, 10 Gigabit and Chassis-based solutions.

Model	Switch Type	10/100Mbps Ports	Gigabit Ports	SFP/GBIC Module Slot(s)	10Gbps Option	Module Bays	Stackable	PoE Ports	Management Interface	RS232 Console Port	QoS 802.1p DiffServ	Security 802.1x Radius	VLAN 802.1q	Warranty
ENTERPRISE														
DGS-6604**	Managed Layer 3		144**	144**	24**	4	V	144**	Web & CLI	V	V	V	~	LL
DGS-3612G	Managed Layer 3		4*	12			<b>✓</b> ^		Web & CLI	V	V	V	V	LL
DGS-3627	Managed Layer 3		24	4*	~	3	~		Web & CLI	V	V	<b>V</b>	V	LL
DGS-3627G	Managed Layer 3		4*	24	~	3	~		Web & CLI	V	V	V	V	LL
DGS-3650	Managed Layer 3		48	4*	~	2	~		Web & CLI	V	V	~	V	LL
DES-3828	Managed Layer 3	24	4	2*			<b>✓</b> ^		Web & CLI	V	V	V	V	LL
DES-3828P	Managed Layer 3	24	4	2*			<b>✓</b> ^	24	Web & CLI	~	V	~	V	LL
DES-3852	Managed Layer 3	48	4	2*			<b>✓</b> ^		Web & CLI	V	V	~	V	LL
DGS-3426	Managed Layer 2		24	4*	~	2	~		Web & CLI	V	V	~	V	LL
DGS-3426P	Managed Layer 2		24	4*	~	2	~	24	Web & CLI	~	V	~	V	LL
DGS-3427	Managed Layer 2		24	4*	~	3	~		Web & CLI	~	V	V	V	LL
DGS-3450	Managed Layer 2		48	4*	~	2	~		Web & CLI	~	V	V	V	LL
DES-3528	Managed Layer 2	24	4	2*			~		Web & CLI	~	V	V	V	LL
DES-3528P	Managed Layer 2	24	4	2*			~	24	Web & CLI	~	V	~	V	LL
DES-3552	Managed Layer 2	48	4	2*			V		Web & CLI	~	~	V	V	LL
DES-3552P	Managed Layer 2	48	4	2*			V	48	Web & CLI	~	V	V	V	LL
MEDIUM BUSI	INESS													
DGS-3120-24TC	Managed Layer 2		24	4*			V		Web & CLI	~	V	V	~	LL
DGS-3120-24PC	Managed Layer 2		24	4*			V	24	Web & CLI	V	V	~	V	LL
DGS-3120-24SC	Managed Layer 2		8*	24			V		Web & CLI	V	~	~	V	LL
DGS-3120-48TC	Managed Layer 2		48	4*			V		Web & CLI	V	V	V	V	LL
Model	Switch Type	10/100Mbps Ports	Gigabit Ports	SFP/GB Module SI		PoE Ports			nagement nterface	QoS 8	02.1p	Security 802.1x Radius	VLAN 802.1q	Warranty
SMALL BUSINE	ESS									'				
DGS-1210-10P	WebSmart Layer 2		10	2*			8		Web	V		~	V	LL
DGS-1210-16	WebSmart Layer 2		16	4*				Web		v	/	V	V	LL
DGS-1210-24	WebSmart Layer 2		24	4*				Web		·	/	V	V	LL
DGS-1224TP	WebSmart Layer 2		24	4*			24		Web	v	/	V	V	LL
DGS-1210-48	WebSmart Layer 2		48	4*					Web	·	/	V	V	LL
DES-1210-28	WebSmart Layer 2	24	4	2*					Web	v	/	V	V	LL
DES-1210-28P	WebSmart Layer 2	24	4	2*			24		Web	·	/	V	V	LL
DES-1210-52	WebSmart Layer 2	48	4	2*					Web	v	/	V	V	LL
Model	Switch Type	10/100Mbp	s Ports	Gigabit P	orts	Pol	Ports	М	odule Bay	Power	Supply	Form Fac	tor	Warranty
SOHO	'											,		
DGS-1008P	Unmanaged			8			4			Exte	ernal	Desktop		5 YRS
DGS-1016D	Unmanaged			16						Inte	rnal	Desktop		5 YRS
DGS-1024D	Unmanaged			24						Inte		Desktop		5 YRS
	-											·		
DES-1016D	Unmanaged	16								Inte		Desktop		5 YRS
DES-1024D	Unmanaged	24								Inte		Desktop		5 YRS
DES-1016R+	Unmanaged	16							1	Inte		Rackmour		5 YRS
DES-1024R+	Unmanaged	24							1	Inte	rnal	Rackmour	١t	5 YRS
DES-1026G	Unmanaged	24		2						Inte		Rackmour		5 YRS

\*Combo Ports | \*\* Modular Chassis Switch – Visit D-Link Website for available modules |  $\land$  Virtual | LL = Limited Lifetime

Model	Standard	Cable Type	Distance	Interface	Voltage
SFP/XFP MOD	ULES				
DGS-712	1000BaseT	Category 5 UTP	100m	RJ45	3.3V/5V
DEM-310GT	1000BaseLX	9um Single Mode Fibre	10km	LC	3.3V/5V
DEM-311GT	1000BaseSX	50um/62.5um Multimode Fibre	550m/275m	LC	3.3V/5V
DEM-312GT2	1000BaseLX	50um/62.5um Multimode Fibre	2km/2km	LC	3.3V/5V
DEM-421XT	10GBaseSR	50um/62.5um Multimode Fibre	300m	LC	3.3V/5V
DEM-422XT	10GBaseLR	9um Single Mode Fibre	10km	LC	3.3V/5V

Model	Standard	Cable Type	Distance	Interface	Voltage
GBIC MODULE					
DGS-701	1000BaseSX	50um/62.5um Multimode Fibre	550m/275m	SC	3.3V
DGS-702	1000BaseLX	9um Single Mode Fibre	5km	SC	3.3V
DGS-703	1000BaseLX	9um Single Mode Fibre	10km	SC	3.3V/5V
DGS-707	1000BaseSX	50um/62.5um Multimode Fibre	550m/275m	SC	3.3V/5V
DGS-712	1000BaseT	UTP	100m	RJ-45	3.3V



# WIRELESS - STANDALONE ACCESS POINTS

D-Link has one of the industry's widest wireless portfolios. Satisfying requirements for Indoor and Outdoor use as well as solutions adapted to any environment – from the home to the enterprise, D-Link utilises the industry's leading chipsets to develop state of the art products that enables customers to choose from technologies based on either IEEE 802.11g, IEEE 802.11a or IEEE 802.11n.

Model	Description	Wireless Technology	LAN Port(s)	WEP/WPA/WPA2	Detachable Antenna	Power over Ethernet (PoE) 802.3af	Warranty
DAP-3690	Outdoor AP/Bridge	802.11a/g/n, 300Mbps, 2.4GHz and 5GHz Band	2	V	V	(PoE+) 802.3at	LL
DAP-3520	Outdoor AP/Bridge	802.11a/g/n, 300Mbps, 2.4GHz or 5GHz Band	1	V	V	V	LL
DAP-2690	Access Point/Bridge	802.11a/g/n, 300Mbps, 2.4GHz and 5GHz Band	1	V	V	<b>✓</b>	LL
DAP-2590	Access Point/Bridge	802.11a/g/n, 300Mbps, 2.4GHz or 5GHz Band	1	V	V	V	LL
DAP-2360	Access Point/Bridge	802.11g/n, 300Mbps, 2.4GHz Band	1	V	V	<b>✓</b>	LL
DWL-3200AP	Access Point/Bridge	802.11g, 54Mbps, Super G 108, 2.4GHz Band	1	V	V	V	LL
DWL-8200AP	Access Point/Bridge	802.11a/g, 54Mbps, Super G 108, 2.4GHz and 5GHz Band	2	V	V	<b>✓</b>	LL
DWL-2100AP	Access Point/Bridge	802.11g, 54Mbps, 2.4GHz Band	1	V	V		3 YRS
DAP-1353	Access Point	802.11g/n, 300Mbps, 2.4GHz Band	1	V	V		3 YRS

LL = Limited Lifetime



# WIRELESS - UNIFIED WIRELESS

D-Link unified wireless switching – an innovative evolution in wireless LAN – is designed to simplify installation and enhance the effectiveness of a medium-sized or large Wi-Fi networks. It allows businesses to install a high-performance, secure, manageable and scalable unified wired/wireless network.

Model	Description			Gigabit Port(s)	SFP/GBIC Module Slots					Manage- ment Type	Management Interface	RS-232 Console Port		VLAN 802.1q		Warranty
DWS-3024L	Wireless Switch/Controller			24	4*			✓^	24	Layer 2	Web+CLI	V	~	~		LL
DWS-3024	Wireless Switch/Controller			24	4*			✓^	24	Layer 2	Web+CLI	V	~	~		LL
DWS-3026	Wireless Switch/Controller			24	4*	V	2	✓^	24	Layer 2	Web+CLI	V	~	~		LL
DWS-4026	Wireless Switch/Controller			24	4*	V	2	<b>✓</b> ^	24	Layer 2	Web+CLI	V	~	~		LL
DWL-3500AP	AP for DWS-3024/24L/26	802.11g	1						1		Web		~	V	~	LL
DWL-8500AP	AP for DWS-3024/24L/26	802.11a/g	1						1		Web		V	V	~	LL
DWS-8600AP	AP for DWS-3024/24L/26/4026	802.11a/g/n		1					1		Web		~	V	~	LL

\* Combo Ports | ^ Virtual | LL = Limited Lifetime



#### **ANTENNAS**

Extend the range of your wireless network with D-Link's wide range of antennas. D-Link offers everything from small omni-directional dipole antennas for indoor use up to large directional antennas for long distance, outdoor use. Extension cables are available. Please refer to the D-Link Website.

Model	Application	Gain	Frequency Band	Horizontal (Degrees)	Vertical (Degrees)	Distance*	Warranty
ANT24-0401	Indoor/Omni-Directional	3.5dBi	2.4GHz	360	75	400m	1 YR
ANT24-0500	Outdoor/Omni-Directional	5dBi	2.4GHz	360	32	500m	1 YR
ANT24-0501	Indoor/Omni-Directional	5dBi	2.4GHz	360	36	500m	1 YR
ANT24-0600	Indoor/Directional	6dBi	2.4GHz	80	80	500m	1 YR
ANT24-0700	Indoor/Omni-Directional	7dBi	2.4GHz	360	24	800m	1 YR
ANT24-0800	Outdoor/Omni-Directional	8dBi	2.4GHz	360	15	1km	1 YR
ANT24-0801	Outdoor/Directional	8.5dBi	2.4GHz	70	70	1km	1 YR
ANT24-1200	Indoor/Directional	11.5dBi	2.4GHz	80	23	2km	1 YR
ANT24-1202	Outdoor/Omni-Directional	12dBi	2.4GHz	360	6	2km	1 YR
ANT24-1400	Outdoor/Directional	14dBi	2.4GHz	30	30	3km	1 YR
ANT24-1800	Outdoor/Directional	18dBi	2.4GHz	15	15	5km	1 YR
ANT24-2100	Outdoor/Directional	21dBi	2.4GHz	10	12	10km	1 YR
ANT70-0801	Outdoor/Omni-Directional	8dBi	2.4GHz/5GHz	360	15	1km	1 YR
ANT70-1000	Outdoor/Directional	10dBi	2.4GHz/5GHz	55	55	3km	1 YR
ANT70-1400N	Outdoor/Directional	14dBi	2.4GHz/5GHz	19	25	3km	1 YR
ANT70-1800	Outdoor/Directional	18dBi	2.4GHz/5GHz	30	30	5km	1 YR

<sup>\*</sup> Approximation only. Actual distance will depend on environmental factors.



#### **VPN FIREWALLS**

The D-Link family of hardware Firewalls and VPN Security Appliances offer powerful hardware-based SMB and Enterprise class network security solutions. With the growing concerns over network security, Denial of Service attacks, virus damage, and privacy demands, D-Link's NETDEFEND family provides the assurance of a dedicated network security in a single device.

Model	Unified Threat Management	Wireless	Gigabit LAN Port(s)	Gigabit WAN Port(s)	Serial Port	WEP/WPA/ WPA2	SPI	Content Filtering	VPN Tunnels	DES/ 3DES/AES	QoS	IDS	Bandwidth Management	Multi Public IP	Warranty
UTM FIREWALI	LS														
DFL-260E#	V		5	1	~		V	~	100	~	~	~	~	~	LL
DFL-860E#	V		8	2	~		V	~	300	~	V	~	~	~	LL
DFL-1660#	~		6 <sup>†</sup>	6 <sup>†</sup>	~		~	~	2500	~	~	~	~	~	LL
DFL-2560#	~		10 <sup>†</sup>	10 <sup>†</sup>	~		V	~	5000	~	V	V	~	~	LL
UNIFIED VPN R	OUTERS														
DSR-250N		~	8	1	~	~	V		25	~	~	~	~		LL
DSR-500N		~	4	2	V	~	V		35	~	~	V	~		LL
DSR-1000N		~	4	2	~	~	V		70	~	V	~	~		LL
DSR-1000N3G		~	4	2 or (1 + 3G)	~	V	V		70	~	V	~	~		LL

 $\# \ Optional \ Anti-Virus, Intrusion \ Detection \ \& \ Content \ Filtering \ Subscription \ | \ ^{\dagger} \ Configurable \ | \ LL = Limited \ Lifetime$ 



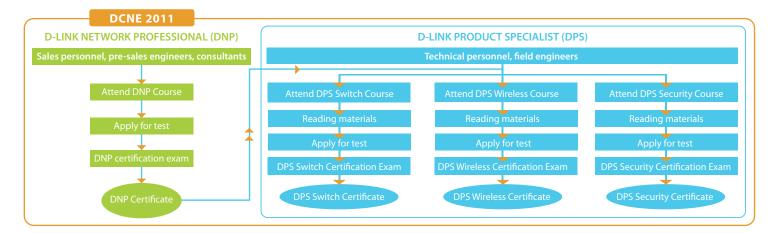
#### SURVEILLANCE SOLUTIONS

D-Link's versatile range of IP Cameras and Network Video Recorders are the ideal solution for remote security monitoring or broadcasting of live events over the Internet. D-Link Internet cameras combine the functionality of an audio/video surveillance camera with the reliability and convenience of the Internet.

Model	Resolution	Lens Type	Min. Lux	Frames per Second (fps)		Built-In Microphone	2 Way Audio Support		Email Notification	Scheduled Recording		TV Output		Input/Output Support	PoE	Outdoor Use	Optical Zoom	Digital Zoom	War- ranty
IP CAMERAS																			
DCS-3716	Full HD 1080p	CS Vari-Focal	0.05	30	~	~		~	~	~		~		~	~			~	1 YR
DCS-3715	Full HD 1080p	CS Vari-Focal	0.06	30	~	~		~	~	~		V		~	~			~	1 YR
DCS-6511**	HD 720p	Vari-Focal	0	30	~		✓*	~	~	~	~	~		~	~	~	~	~	1 YR
DCS-7110	HD 720p	Fixed	0	30			<b>✓</b> *	~	~	~	~	V		~	~	~		V	1 YR
DCS-5635	VGA	Vari-Focal	0.02	30	~	~	<b>✓</b> *	V	~	~	~	~	~	~		with DCS-71	~	~	1 YR
DCS-6113**	HD 720p	Fixed	0	30	~		<b>✓</b> *	V	~	~	~	~		~	~			~	1 YR
DCS-3112	HD 720p	CS	0.04	30	~		<b>✓</b> *	V	~	~		~		~	~			~	1 YR
DCS-3110	1.3MP	CS	0.2	30	~	~	<b>✓</b> *	~	~	~				~	~			~	1 YR
DCS-2210	Full HD 1080p	Fixed	0	30	~	~	~	V	~	~	~			~	~			~	1 YR
Model	Product		De	scription															
NETWORK VIDI	EO RECORDERS	(NVR)																	
DNS-726-4 <sup>^</sup>	2 Bay NVR Sto – 9 Cameras	orage	4 Cl		ck, Supp	orts D-Link ar	nd Third Part							/ideo from up t sonic and Sony					
DNS-722-4^	2 Bay NVR Sto – 9 Cameras	y NVR Storage 3.5" SATA Drive Support, Drive Configurations include: Standard, RAID 0 and RAID 1, Gigabit Ethernet Port, Record Video from up to 9 Network Surveillance Cameras, Single Channel Playback, Supports D-Link Surveillance Cameras ONLY. Please visit www.dlink.com.au for further information on supported cameras.																	

<sup>\*</sup> Requires External Speaker (not supplied) | \*\* Dome Camera | ^ IMPORTANT NOTE: These products cannot be used for data storage nor can they be accessed like a NAS

## D-LINK CERTIFIED TRAINING





#### D-LINK AUSTRALIA PTY LTD

Building A, Level 3, 11 Talavera Road, North Ryde NSW 2113 Australia

#### **AUSTRALIA**

www.dlink.com.au Sales: 1300 700 100

Technical Support: 1300 766 868

#### **NEW ZEALAND**

www.dlink.co.nz Sales: 09 356 2158

Technical Support: 0800 900 900



# WIRELESS | SWITCHING | SECURITY | IP SURVEILLANCE | STORAGE | SERVICES & SUPPORT

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**PRODUCT AVAILABILITY** Certain products listed in this Product Selection Guide may not be carried in all territories. In addition, the dates of availability of some products may vary according to countries and areas. Please check with your country/area sales representatives for the availability of these products.

ADDITIONAL PRODUCTS Additional products may become available and certain products may be discontinued by the time this Product Selection Guide is in circulation. Please visit our web sites for complete product information.

**TECHNICAL SUPPORT** Please refer to the telephone numbers listed in this Product Selection Guide and on our web sites for the technical support that covers your countries and areas.