



ICL



The heart

ICL understands clearly that its customers expect personal computers to be everything from simple text-processors to advanced workstations and to system servers supporting integrated solutions

across a complete enterprise.

This choice – combined with a desire to ensure the comfort and safety of users – is at the heart of the ICL Personal Computer and System Platform products. So the range includes everything from a superb notebook computer right up to incredibly powerful multi-processor models.

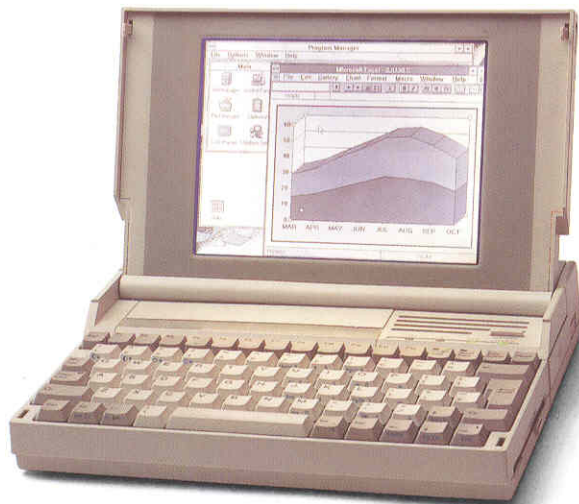
The ease and economy with which the ICL range can be upgraded ensure that your computers will grow as your demands on them increase. For the CX, CXe, FX and MX series, this is simply a matter of replacing a modular processor board.

The ICL PC display units cover your every need – from black-on-white standard VGA to 256-colour SuperVGA graphics with advanced ergonomic features such as high resolution and full overscan. Most of them meet the demanding Swedish MPR 90 and/or TCO recommendations, and the star of the range is a slim-line LCD screen offering extremely low radiation, full-colour VGA presentation and enormous flexibility in workplace design.

A choice of two different keyboards, a mouse and a trackball further enhances the users' ability to make their workplaces fit their own individual needs and the tasks they have to perform.

The range

Series	The ICL Personal Computers
NB	Small, lightweight notebook computer
CS	Compact slim-line 2-slot desktop models
CX	ISA-based 6-slot extendable desktop models
CXe	EISA-based 6-slot extendable desktop models
	The ICL System Platforms
FX	EISA-based 9-slot extendable floor-standing models
MX	Multi-processor units. EISA-based with dual bus 14-slot extendable models



Model	NB386s
Processor	80386SX
Clock speed	20 MHz
Math co-processor (option)	80387SX
Memory	2 – 8 MB RAM
Data storage	
Fixed disk AT	60 MB
Diskette drive	
Internal	1.44 MB
Keyboard	AT-compatible
	80 keys
Display adapter	Standard VGA
Display	Black-on white LCD
	16 grey scales
I/O Ports	
Serial port	1
Parallel port	1
Pointer device	PS/2-type
External keyboard connector	PS/2-type
External display connector	1
Operating system	MS-DOS and Windows



CS386s



CS486s

Model	CS386s	CS486s
Bus architecture	ISA	ISA
Processor	80386SX	80486SX
Clock speed	20 MHz	20 MHz
Math co-processor	Socket for 80387SX	Socket for 80387SX or Weitek
Cache	—	8 kB
Memory	2 – 16 MB RAM	2 – 26 MB RAM
Optional storage devices		
Fixed disk AT	40, 85 or 120 MB	40, 85, 120 or 210 MB
Diskette drive		
Internal	None, 1.44 or 2.88 MB	None or 1.44 MB
External	1.2 MB	—
Tape streamer AT (ext.)	80/120 MB	80/120 MB
Tape streamer SCSI (ext.)	150/250 or 320/525 MB	—
Slots		
ISA	2	2
Operating System	MS-DOS and Windows or MS OS/2	MS-DOS and Windows or MS OS/2
Display adapter	Integrated on the backplane board. Maximum resolution with 16 colours is 800 x 600 pixels.	Plug-in-board connecting to the system board. Maximum resolution with 16 colours is 1024 x 768 pixels.



Model	CX386s
Bus architecture	ISA
Processor	Intel 80386SX
Clock speed	20 MHz
Math co-processor	Socket for 80387SX
Cache	—
Upgradability	To CX386s 25 MHz, CX386 33 MHz or CX486 33 MHz
Memory	2 – 16 MB RAM
Optional storage devices	
Fixed disk AT	40, 85, 120 or 210 MB
Fixed disk SCSI	210 or 425 MB
Diskette drive	
Internal	1.2, 1.44 or 2.88 MB
External	1.2 MB
Tape streamer AT (int. or ext.)	80/120 MB
Tape streamer SCSI (int. or ext.)	150/250 or 320/525 MB
DAT streamer SCSI (int.)	1.3/2 MB
CD-ROM SCSI (int. or ext.)	600 MB
Slots	
ISA	6
EISA	—
Operating system	MS-DOS and Windows, MS OS/2 or SCO UNIX
Display adapter	SRA and HRA

CX386s/25	CX386	CX486	CXe486s	CXe486
ISA 80386SX 25 MHz Socket for 80387SX	ISA Intel 80386 33 MHz Socket for Intel 80387 and Weitek	ISA Intel 80486 33 MHz Integrated in 80486 Socket for Weitek	EISA 80486SX 20 MHz Socket for Intel 80487SX	EISA 80486 33 MHz Integrated in 80486 Socket for Weitek
32 kB	32 kB	8 kB	8 kB	8 kB
To CX386 33 MHz or CX486 33 MHz	To CX486 33 MHz	—	To CXe486 33 MHz	—
2 – 16 MB RAM	4 – 32 MB RAM	4 – 32 MB RAM	4 – 32 MB RAM	8 – 64 MB RAM
40, 85, 120 or 210 MB 210 or 425 MB	40, 85, 120 or 210 MB 210 or 425 MB	40, 85, 120 or 210 MB 210, 425 or 2 x 210 MB	40, 85, 120 or 210 MB 210, 425 or 2 x 210 MB	40, 85, 120 or 210 MB 210, 425, 2 x 210 or 2 x 425 MB
1.2, 1.44 or 2.88 MB 1.2 MB 80/120 MB 150/250 or 320/525 MB 1.3/2 MB 600 MB	1.2, 1.44 or 2.88 MB 1.2 MB 80/120 MB 150/250 or 320/525 MB 1.3/2 MB 600 MB	1.2, 1.44 or 2.88 MB 1.2 MB 80/120 MB 150/250 or 320/525 MB 1.3/2 MB 600 MB	1.2, 1.44 or 2.88 MB 1.2 MB 80/120 MB 150/250 or 320/525 MB 1.3/2 MB 600 MB	1.2, 1.44 or 2.88 MB 1.2 MB 80/120 MB 150/250 or 320/525 MB 1.3/2 MB 600 MB
6 —	6 —	6 —	— 6	— 6
MS-DOS and Windows, MS OS/2 or SCO UNIX	MS-DOS and Windows, MS OS/2 or SCO UNIX	MS-DOS and Windows, MS OS/2 or SCO UNIX	MS-DOS and Windows, MS OS/2 or SCO UNIX	MS-DOS and Windows, MS OS/2 or SCO UNIX
SRA and HRA	SRA, HRA and GA	SRA, HRA or GA	SRA, HRA or GA	SRA, HRA or GA



FX series



MX series

Model	FX486s	FX486
Bus architecture	EISA	EISA
Processor	Intel 80486SX	Intel 80486DX
Clock speed	20 MHz	33 MHz
Math co-processor	Socket for 80487SX	Socket for Weitek
Cache	8 kB	8 kB(int.) and 128 kB(ext.)
Upgradability	To FX486 33 MHz or FX486 50 MHz	To FX486 50 MHz
Memory	4 – 64 MB RAM	8 – 64 MB RAM
Optional storage devices		
Fixed disk SCSI	210, 425 MB or 1 GB	210, 425 MB or 1 GB
Diskette drive		
Internal	1.2, 1.44 or 2.88 MB	1.2, 1.44 or 2.88 MB
Tape streamer SCSI (int.)	150/250 or 320/525 MB	150/250 or 320/525 MB
DAT streamer SCSI (int.)	1.3/2 GB	1.3/2 GB
CD-ROM SCSI (int.)	600 MB	600 MB
Slots		
EISA	9	9
Other	–	–
Operating System	MS-DOS and Windows, MS OS/2, MS OS/2 LAN Manager, Novell NetWare or SCO UNIX	MS-DOS and Windows, MS OS/2, MS OS/2 LAN Manager, Novell NetWare or SCO UNIX
Display adapter	SRA, HRA or GA	SRA, HRA or GA

FX486/50	MX486	MX486/50
EISA Intel 80486 50 MHz Internal 8 kB(int.) and 256 kB(ext.)	EISA Intel 80486 33 MHz — 8 kB(int.) 128 kB(ext.)	EISA Intel 80486 50 MHz — 8 kB(int.) 256 kB(ext.)
—	To MX486/33 Dual or MX 486/50 Single or Dual	To MX486/50 Dual
8 – 64 MB RAM	8 – 256 MB RAM	8 – 256 MB RAM
210, 425 MB or 1 GB	210, 425, 660 MB or 1 GB	210, 425, 660 MB or 1 GB
1.2, 1.44 or 2.88 MB 150/250 or 320/525 MB 1.3/2 GB 600 MB	1.2 or 1.44 MB 150/250 MB 1.3/ 2 GB —	1.2 or 1.44 MB 150/250 MB 1.3/2 GB —
9 —	10 4	10 4
MS-DOS and Windows, MS OS/2, MS OS/2 LAN Manager, Novell NetWare or SCO UNIX	MS-DOS, MS OS/2, MS OS/2 LAN Manager, Novell NetWare, SCO UNIX, SCO MPX or UNIX 5.4	MS-DOS, MS OS/2, MS OS/2 LAN Manager, Novell NetWare, SCO UNIX, SCO MPX or UNIX 5.4
SRA, HRA or GA	Super VGA with maximum resolution, 16 colours 1024 x 768 pixels or HRA	Super VGA with maximum resolution, 16 colours 1024 x 768 pixels or HRA



Model	Mass-memory expansion unit
Optional storage devices	
Fixed disk	3.5" 210 MB or 425 MB or 5.25" 1 GB
Tape streamer	5.25" 150/250 or 320/525 MB
DAT streamer	3.5" 1.3/2 GB
Optical	5.25" CD-ROM
Bays	6
SCSI Connector	Two 2 x 25-pin SCSI
Operating environment	MS-DOS, MS OS/2, MS OS/2 LAN Manager, Novell NetWare or SCO UNIX



Security

The information stored in your computer systems is valuable to you, and to other people. You have to be certain that unauthorised people cannot access it. And you must make sure that you do not lose it through theft or the possibility of virus attack.

ICL Personal Systems products offer standard security features in BIOS, such as user and system passwords and the ability to control boot functions, restrict the use of diskette units, disable ports and to lock the keyboard and mouse. Physical protection includes a cover lock and a clasp that enables you to secure the system unit in place.

Ergonomics and design

Good workstation design is impossible without a sound understanding of ergonomics. There is no point making a computer attractive if using it is going to cause fatigue, eyestrain and discomfort.

ICL has built on the Scandinavian tradition in display ergonomics to offer flicker-free screens with high-resolution presentation, anti-glare screens and overscan for improved contrast. The displays can all be tilted and swivelled to the optimum work posture, and additional ergonomic stands and arms are available as options. Low electromagnetic and

electrostatic fields are a natural feature of ICL ergonomic displays, too.

The ICL keyboards can be tilted for typing comfort and are extremely stable on the desktop. The carefully sculptured keys have a matt finish to cut glare, and they provide distinct tactile feed-back.

All switches on the system units are conveniently placed, and cables can be neatly tucked away. Wall-mounting kits and separate floor-stands enable you to remove system units from the desktop. Naturally, noise-levels have been reduced to a minimum.

Operating systems

MS-DOS and Windows can be pre-installed on most system units to make it easier for your people to get started. And, with their industry-standard technology, the ICL Personal Computers and System Platforms can support popular network operating systems in completely integrated user environments.



Model	AE12C	DU146B	DU151B
Screen size	10.4 in	14 in FS	15 in FS
Colours	512	Unlimited	Black-on-white
Maximum resolution	640 x 480 pixels	1024 x 768 pixels	1024 x 768 pixels
Refresh rate	Up to 60 Hz	Up to 86 Hz	Up to 86 Hz
Overscan	Yes	Yes	Yes
Display adapter, recommended	FDA	HRA	HRA
Tilt	0° – +75°	-5° – +20° (option)	-5° – +20° (option)
Swivel	–	-40° – +40° (option)	-40° – +40° (option)
LMF/LEF reduction	Yes	Yes	Yes



VE17C

17 in FS

Unlimited

Up to 1280 x 1024 pixels

Up to 100 Hz

Yes

GA

-5° – +20°

-40° – +40°

Yes

HE14C

14 in

Unlimited

1024 x 768 pixels

Up to 87 Hz interlaced

No

SRA

-5° – +15°

+60° – -60°

Yes

SE14C

14 in

Unlimited

1024 x 768 pixels

Up to 87 Hz interlaced

No

SRA

-5° – +15°

+60° – -60°

No

SE14M

14 in

Black-on-white

Up to 640 x 480 pixels

Up to 70/60 Hz

No

SRA

-3° – +13°

-90° – +90°

No

Display adapters

The wide choice of display adapters offered by ICL enables you to select the right level of presentation for the tasks you have to perform – at the right price.

-
- SRA** Standard VGA
– 800 x 600, 56 Hz, 16 colours
-
- HRA** Super VGA (overscan and high refresh rate)
– 640 x 480, 72 Hz, 256 colours
– 800 x 600, 56 Hz, 256 colours or 70 Hz, 16 colours
– 1024 x 768, 87 Hz (interlaced), 16 colours
-
- GA** Accelerated VGA
– 800 x 600, 56/70/76 Hz, 256 colours
– 1024 x 768, 87 Hz (interlaced), 256 colours
– 1024 x 768, 76 Hz, 256 colours
-
- FDA** Dedicated for AE12C display (active matrix LCD)
-



Keyboard

Model	102S	102E
Keys	102 (incl. 12 function keys)	102 (incl. 12 function keys)
Type	AT/E	AT/E
Adjustable tilt	5°, 10° or 15°	6° or 12°



Trackball

Trackball

Interface	PS/2-type
Resolution	200 dpi on hardware 50 – 15000 dpi, software-adjustable
Tracking speed	250 mm/s
Cable length	0.6 m

Mouse

Interface	PS/2-type
Resolution	400 dpi
Tracking speed	250 mm/s
Cable length	1.8 m



Mouse



ICL Worldwide

Australia	Hungary	Norway	Turkey
Austria	Iceland	Pakistan	Uganda
Bahamas	India	Papua New Guinea	United Arab Emirates
Bangladesh	Indonesia	Philippines	United Kingdom
Barbados	Iran	Poland	USA
Belgium	Ireland	Portugal	USSR
Bulgaria	Italy	Romania	Yemen
Cameroon	Ivory Coast	Saudi Arabia	Yugoslavia
Canada	Jamaica	Sierra Leone	Zambia
Cyprus	Japan	Singapore	Zimbabwe
Czechoslovakia	Kenya	South Korea	
Denmark	Kuwait	Spain	
Dominica	Lebanon	Sri Lanka	
Egypt	Luxembourg	St Vincent	
Fiji	Malawi	Sudan	
Finland	Malaysia	Sweden	
France	Malta	Switzerland	
Gambia	Mauritius	Syria	
Germany	Myanmar	Taiwan	
Ghana	Nepal	Tanzania	
Gibraltar	Netherlands	Thailand	
Greece	New Zealand	Trinidad	
Hong Kong	Nigeria		

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