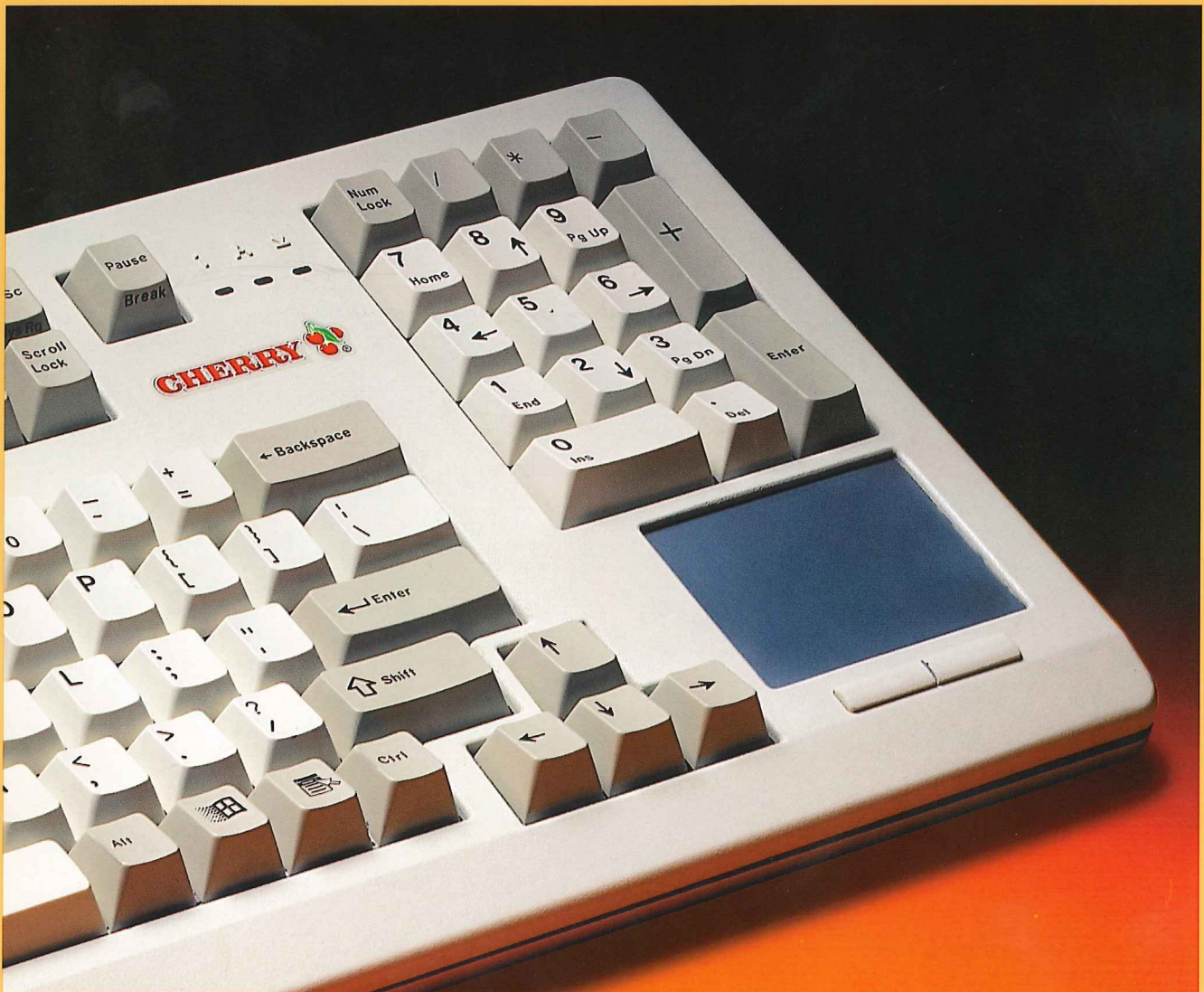




# G80-11900

**IBM\*-Multi-Function-compatible  
19-Inch compact Keyboard  
with integrated Touchpad.  
For PS/2 Systems.**

IBM is the registered trademark of International Business Machines Corporation.



### Main benefits

- Two functions in one device.
- Integral, high-quality touchpad with mouse keys.
- Space-efficient.
- Number of keys: 104 (US version), 105 (national versions)
- Keycaps in a 19 mm grid.
- LED indicators show status of operating functions.
- Mechanical modular capsules from the MX series.
- High level of reliability thanks to „Gold Cross-point“ contacts.
- Each key has a service life of >50 million keystrokes.

### Applications

- For all applications where restricted space means a mouse is impractical.
- For 19-inch applications.

### System requirements

- IBM PS/2-compatible system with PS/2 mouse port.

### Technical specifications

Power supply:  
+5V/DC ± 10%

Current input:  
typically 18 mA SELV

Interface:  
Bidirectional, serial synchronous. Keyboard and trackball communicate with system over clock and data line.

Data format:  
Data is transferred to and from keyboard in IBM synchronous format.

Data outputs:  
Open drain.

Data buffer:  
All scan codes are stored in a buffer prior to output.

Cable connector:  
Keyboard is connected to system by a coiled cable.

Keyboard input sequence:  
Alpha N key rollover.

Typematic function:  
All keys have an autorepeat function. Delay and frequency can be set from the system.

Turn-on reset:  
The keyboard generates a reset signal automatically when it is powered up.

Keyboard self-test:  
When current is applied or at the request of the system, the keyboard performs a diagnostic test. The results of the test are returned to the system.

### Mechanical specifications

Dimensions (LxW):  
405 x 180 mm

Temperature range:  
Storage temperature:  
-20 °C to +60 °C

Operating temperature:  
0 °C (+32 °F) to +50 °C  
(+122 °F).

Individual key modules from the MX range.

### Approvals

- Ergonomics:  
ZH 1/618/10.80  
ISO 9241-4
- Safety:  
UL 1950,  
CSA C22.2 No.950  
EN 60950
- RFI/EMI  
FCC Part 15, Subpart B,  
Class B EN 55022  
Class B
- Susceptibility:  
IEC 801-2: ESD 15kV  
IEC 801-3: radiated fields  
10 V/m

### Environment

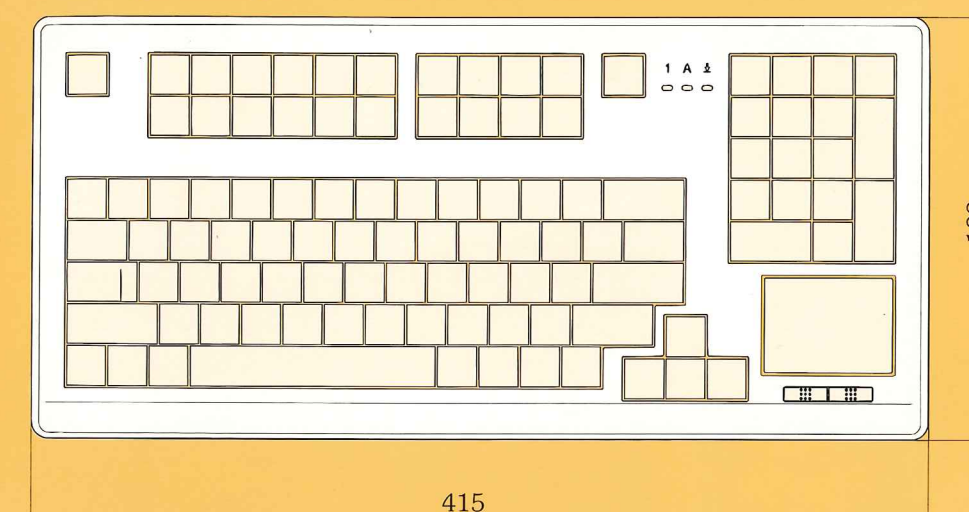
- Minimal packaging with a high proportion of recyclable cardboard and no composite materials.
- Use of recyclable and marked plastics in keyboard enclosures, without additional fire retardants.
- Use of recycled plastic to conserve natural resources.
- Avoidance, where technically feasible, of hazardous substances in our products and production processes, based on an environmental specification drawn up with our business associates.
- Use of environmentally acceptable low pressure plasma technology for degreasing metal.

### Key to stock codes

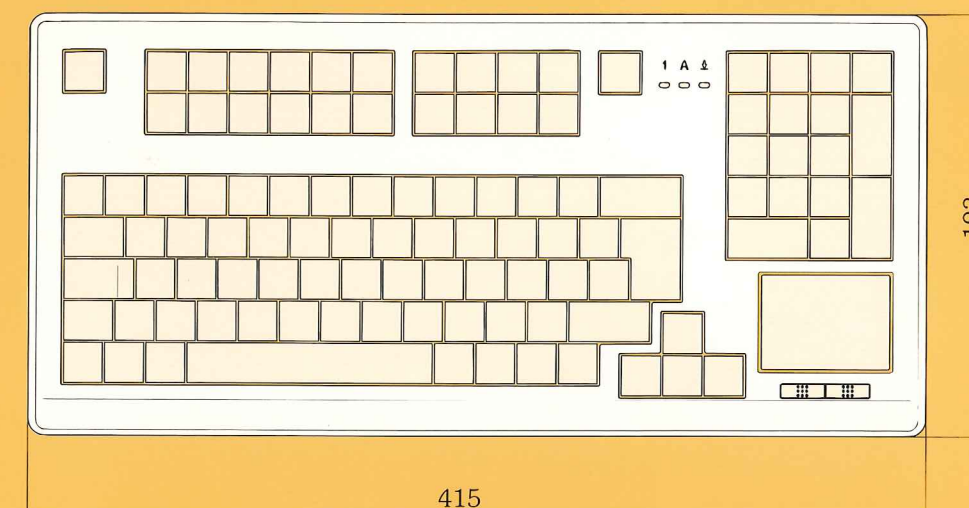
National variants	Keyboard no.
Germany	G80-11900 LAMDE
France	G80-11900 LAMFR
UK	G80-11900 LAMGB
USA	G80-11900 LAMUS

\*Other national versions available on request!

### US English keyboard layout



### International keyboard layout



The manufacturer accepts no liability for errors or nonavailability, and reserves the right to change specifications without prior notice. Technical data relate to product specifications only. Features may differ from those described. Only drawings combined with product specifications shall be deemed binding.

## Electrotechnical and Electronic Products for the Future.

### Keyboards of high technology and excellent quality.

With high switching reliability even during speed typing. Standard or customized, intelligent or non-encoded versions. Connectable to all popular EDP systems. Modern design. Harmonious colours. Variety of sizes and heights. Ergonomic styling. With or without housing.

### Keymodules. For high technology keyboards.

M 8, M 9, MX. Keyswitches with exceptional performance. High switching reliability through »Gold Crosspoint« contacts. Low profile design. Excellent touch feeling. Variety of keycap styles and colours. Ideal for ergonomically designed keyboards.



### Selector switches with proven reliability and long life.

Available in many standard and customized codes. Thumbwheel, leverwheel or pushwheel versions. Gang assemblies. Solderpins, connectors or plain soldering. Standard, miniature and subminiature sizes. Also illuminated through LEDs or lamps. Customized lettering and stop limitation available.

### Snap switches for the future.

For precise switching and high reliability. Large range of standard and non-standard models. Many different connecting possibilities. Standard, miniature and subminiature sizes. And a large number of auxiliary actuators.

### New generation displays.

For text and graphic applications. With continuous brightness of all letters. Stable display picture. Long life. Slim profile. Light weight. Low power consumption.

