

Press information

Kyocera unveils touchscreen LCD modules without front glass

Kyocera Display Group innovations expand product range for sensitive applications

December 9, 2014 – Kyoto/Neuss – Japanese technology company Kyocera, one of the leading manufacturers of electronic products, is expanding its range of liquid-crystal displays to include two new 7" widescreen (800 x 480 pixels) WVGA on-cell touch LCD modules with built-in touch sensors: the TCG070W VLRPC-GD117 and TCG070W VLRPC-GD118.

Both modules feature a capacitive touch sensor built into the display's front glass. Combining these two separate components into one results in a compact on-cell touch display with excellent optical performance from just a single manufacturing process. The five-point multi-touch screen controller is also included. In addition, screened circuits help significantly reduce EMC problems.

These displays are especially well suited for lightweight applications where an additional front glass would be intrusive or for applications that already feature a front glass for design reasons. The wide temperature range of -30 °C to +80 °C plus the Super Wide View 170° viewing angle also make these modules even more versatile.

The module measures 169.8 mm x 109.7 mm x 9.2 mm and includes a built-in LED driver for easy integration, eliminating the need for additional backlighting components for the display. In addition, the LVDS interface guarantees easy operation using a 20-pole plug. The touch sensor's output can be checked using USB or

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Press information

I²C. A Raspberry-based evaluation kit is also available.

An additional 12.1" WXGA (1280 x 800 pixels) on-cell touch display is currently in development. Kyocera will begin accepting orders for the new module in February.

The combination of long-term market availability and local technical support make these LCD modules a perfect match for both industrial applications and medical devices.

Moreover, Kyocera is committed to the development of environmentally friendly products and works to reduce the use of hazardous substances in manufacturing. The company's products comply with the EU Restriction of Hazardous Substances (RoHS) guideline.

Technical specifications:

Model name	TCG070WVLRPC-GD117/118
Dot format (dot)	800 x 480
Size (mm)	169.8 x 109.7 x 9.2
Brightness (cd/m ²)	350
Display illumination lifespan (h)	100,000
Touch interface	I ² C/USB

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For more information about Kyocera:

www.kyocera.eu

About Kyocera

Headquartered in Kyoto, Japan, Kyocera Corporation is one of the world's leading manufacturers of fine ceramic components for the technology industry. The strategically important divisions in the Kyocera Group, which is comprised of 230 subsidiaries (as of April 1, 2014), are information and communications technologies, products which increase quality of life, and environmentally friendly products. The technology group is also one of the largest producers of solar energy systems worldwide, with more than 5 gigawatts of solar power having been installed around the world to date.

The company is ranked #531 on *Forbes* magazine's 2014 "Global 2000" listing of the world's largest publicly traded companies.

With a global workforce of about 70,000 employees, Kyocera posted net sales of approximately €10.19 billion in fiscal year 2013/2014. The products marketed by the company in Europe include laser printers, digital copying systems, microelectronic components, fineceramic products and complete solar power systems. The Kyocera Group has two independent companies in the Federal Republic of Germany: Kyocera Fineceramics GmbH in Neuss and Esslingen and Kyocera Document Solutions in Meerbusch.

The company also takes an active interest in cultural affairs. The Kyoto Prize, a prominent international award, is presented each year by the Inamori Foundation — established by Kyocera founder Dr. Kazuo Inamori — to individuals and groups worldwide who have contributed significantly to the scientific, cultural, and spiritual betterment of humankind (converted at present €362,000 per prize category).

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