

GNSS-TECH

Q12 Series

GNSS PFD Q12 PRO



GNSS-TECH

160 mm Single Block

For VFR fixing aircraft

GNSS-TECH PFD Q12 Pro is a full-colour, Primary Flight Display (PFD) developed for 6.4" and 8" VGA TFT colour displays with screen resolutions of 640x480 and up. Our 6.4" version is designed for form-fit 160mm aviation instrument bay units and are running under Intel-based CPU systems with 300 MHz and up.

The PFD Q12 Pro was designed to provide pilots with affordable solution that also connects to the EMD Q12 Pro, a Electronic Map Display (EMD) or Moving Map, which synchronises and transfers essential flight data such as Flight Plan, Waypoints, Terrain Warning, GPS signals, etc. between the two units. In addition it also connects to our GNSS-TECH AHRS Q12 or GNSS-TECH INS/GPS Q12 (Inertial Navigation Sensors) which gives all the information needed to manage the aircraft in a good and safety way.

With GNSS-TECH Q12 Software Series, Fiko Technologies Ltd. brings state-of-the-art integrated navigation technologies to the business and general aviation cockpits with the possibilities to "fly-by-icons".

The above image shows our software integrated with the single-block display unit produced by BETL. For stand-alone PFD, the system only requires our AHRS or INS/GPS system.

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WORLD NAVIGATION Q12 Series

GNSS EMD Q12 PRO



GNSS-TECH

160 mm Single Block

For VFR fixing and rotary aircraft

The GNSS-TECH EMD Q12 (Electronic Map Display) is based upon geo-referenced Raster Aeronautical Charts (RAC) where geo-referenced maps can be generated out of scanned map images using our Windows™-based "makeMAP" software package. Terrain and terrain elevation models that fits your scanned maps can be ordered directly from our company or generated on-line true our Terrain and Elevation Server.

As seen on the above image, terrain is shown as both 3-layer map overlay and side-view "look ahead" and "look behind" Terrain Warning models with safety margins included. All NavAid for Airport, VOR, NDB etc. are shown as icons and corresponds to any Flight Plan made where every airport has an airport thumbnail window showing your own aircraft position according to runway. Flight Plan has also vector preview of flight plan showing own aircraft position according to flight plan.

The EMD Q12 software offers off-centre mode for maximum map view, digital zoom-in and zoom-out of charts, automatic zoom and load of approach charts during approach, comprehensive menu system, 6 short-cut soft-keys, data synchronisation to PFD Q12, Nearest To with distance and bearing indications, event recorder, BASA Recorder - a flight recorder aimed for i.e. flying schools to track students solo flights etc.

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WORLD NAVIGATION Q12 Series

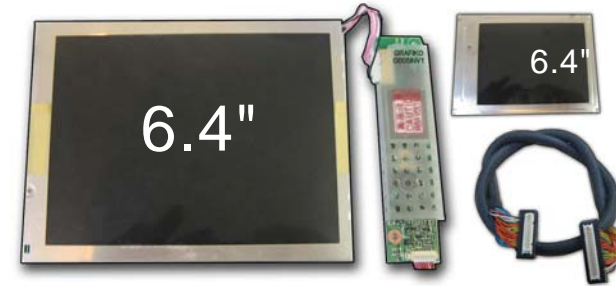


Our FIKO PC 733TCQ PC-104 CPU board is a fast 733MHz CPU using single 5V DC for its operations. The system consists of Enhanced IDE, FDD, Parallel port, Two Serial RS 232 ports, Two USB ports, Ethernet, flat panel/CRT interface, Compac Flash interface, Digital I/O, PC/104 connector and more...

Board size just 3.77"(L)x3.54"(W) or 96x90mm

Complete CPU/Display package.

Fiko Technologies Ltd. are offering a complete CPU/Display solution that consists of two packages where packages contains the FIKO PC 733TCQ PC-104 CPU board, 18-bit data cable, "GRAFIKO" 6.4" Open frame TFT Display and inverter(s). You may choose between outer frame size of 15.2mmx11.7mm and 17.5mmx12.6mm - both display uses 5 VDC.



FT22 PC-104 board

Our PC-104 Interface board consists of connectors for our FT18 GPS Module and FT21 Embedded PS/2 Keyboard Interface Module as well on-board 5V, 5A DC-DC power supply with voltage input from 7-40 VDC. The board has two versions, 5 and 12 VDC.

