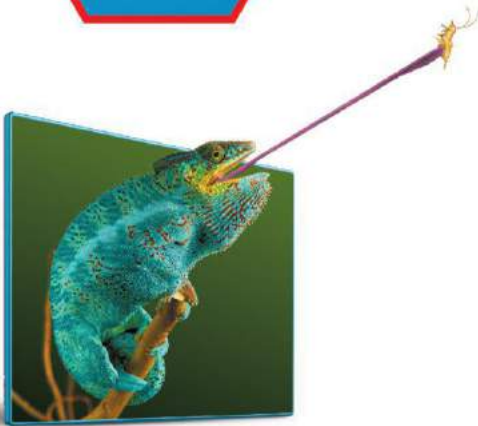


*Make a bigger impression with **Xboard***

Bigger Impact, Greater Versatility to Boost Your Business Communications



XboardTM

Intelligent Large Format Display
Smart, Slim yet Simple



CLT LED TECHNOLOGY

product features

Xboard™

Intelligent Large Format Display

**ULTRASLIM
& LIGHTWEIGHT**
INSTALLATION-FRIENDLY

TLT Xboard™ has been engineered with latest technologies to give it a smoother, slimmer profile. Crafted in beautiful anodized aluminium, it is lightweight yet durable. Each module tile weighs less than 1.5kg or 23 kg/sqm when formed into a display making it more portable and easier to install. Due to the fact that no supportive metal frame structure is required during assembly thus a profile depth of 35mm is achieved making Xboard™ one of the slimmer if not the slimmest large format flat panel displays on the market today!

**ZERO CONFIG
TECHNOLOGY**
PLUG 'N' PLAY

Enjoy the privilege of watching or screening your own video, audio or pictures playlists anytime, anywhere with Xboard™'s (ZCT) Zero Configuration Technology. Update your digital content in our powerful built-in media player via WiFi or USB drive. Easy-to-follow on-screen menu makes it absolutely easy to schedule your content without any complicated configuration whatsoever!

**SMART
MODULE**
SMOOTH OPERATION

The futuristic Smart Module ingeniously incorporated into each TLT Xboard™ system is its powerhouse. Engineered around a high-performance Internet Cyclone IV FPGA capable of parallel processing, and deeper integration with MCU management tools enables the display module to be self-contained in communication and management. Together they form the core of Smart Module which is capable of delivering powerful video processing platforms without the need for additional hardware. It also ensures all round operations converge, thereby ensuring seamless connections like screen monitoring operations and auto-detect work to be done continuously.

**INTELLIGENT
MANAGEMENT**
STAY IN CONTROL

Xboard™'s pre-integrated software enables you to connect to it with a PC or Android devices from a single location via RJ45, WiFi, 3G, USB and HDMI. That makes it extremely easy to identify your display and manage settings like brightness and contrast. You can also play your content directly from your device be it a laptop, tablet or smart phone. Perform centralized video control and management via internet. Your efficiency is increased because you can cast your video remotely without the need to have an on-site controlling device or PC, as well as administer and monitor your video from the comfort of your office.

**FRONT
SERVICEABILITY**
SNAPPY & EASY

You'll love the Xboard™'s convenience of doing quick servicing and easy module replacements from the front simply with a handle magnet. A true advantage attributed to its patented cableless technology in connecting the modules, an exclusive technology brought to you by TLT.

HI-DEFINITION™
720P & 1080P
CRISP CLEAR IMAGES

Xboard™ 1.8P supports contents in HD 1280 x 720 or Full HD 1920 x 1080 resolutions with 1000 cd/m² high brightness to deliver superior pixel-by-pixel true-colour performance. At this resolution and brightness, coupled with highest quality full black LEDs, high-definition video content can be seen crystal-clear with a more realistic viewing experience even in well-lit areas.



Xboard, large format feature-rich LED display with extreme simplicity & flexibility but nothing simple about the technologies behind it

- Ultra slim profile at 35mm
- High refresh rate (> 3600 Hertz) and maintains full 10 bit depth for 128 steps of gradation control
- No PC required, thus saves on cost, increases reliability and makes operations simpler.
- Content can be updated via network or via USB drive and the content is stored on the unit itself.
- 6GB of built-in storage supporting almost all video and image formats.

Multi-screen Mode

Different Xboards can be connected via HDMI cables or wirelessly. Stay connected via a router, with maximum link of three Xboards altogether.



Wireless Extended Mode

Split and show the same video content on 2 or more Xboards simultaneously. Also known as cascade or split-screen mode.



Wireless Mirroring Mode

Show the contents of one Xboard on the screen of another Xboard simultaneously. Maximum simultaneous link of three Xboards together and stay connected via a router.

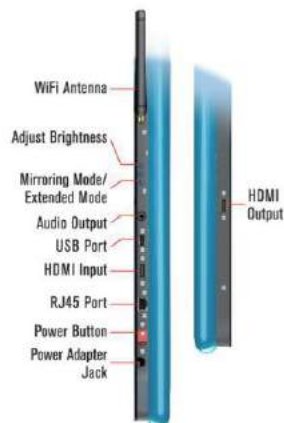


Ultra Slim
Protrudes 40mm from the wall



Easy Content Update

Upload your digital content into our built-in media player via WiFi or USB



Function Buttons and Connectors
Simple yet powerful



Assembly Made Easy

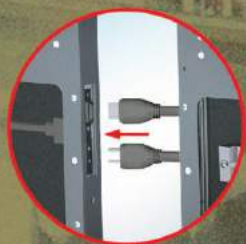
Interconnected system and wall mounted bracket enable you to assemble your large format display effortlessly

hotel & corporate lobbies
conference hall
shopping malls

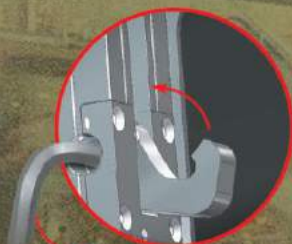


airports
supermarkets
railway & metro stations

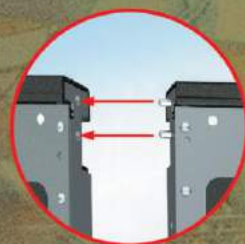
boardrooms & control rooms



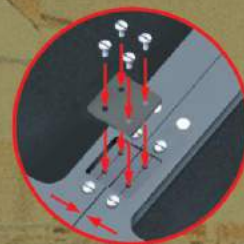
Connecting The Panel Units
Built-in power and data cables give you easy access



Hook Type Latches
Locking and unlocking by a single turn of 360° with Allen key



Locating Pins
Round pin serves as the primary, 2-axis locator

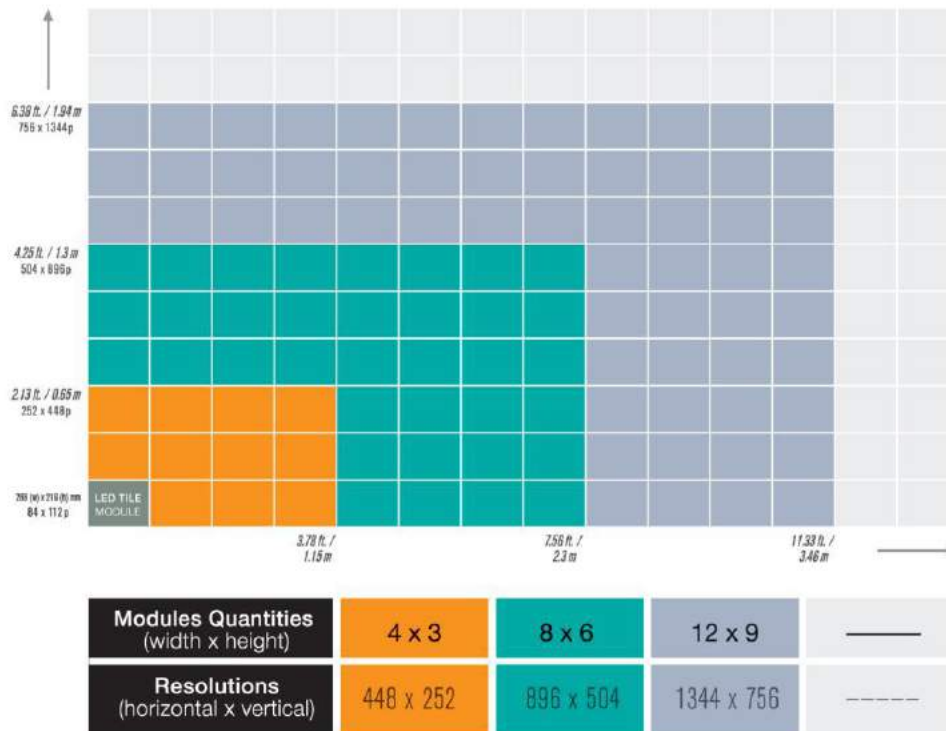


Connector Plate
Provides alignment and strong panel-to-panel connection

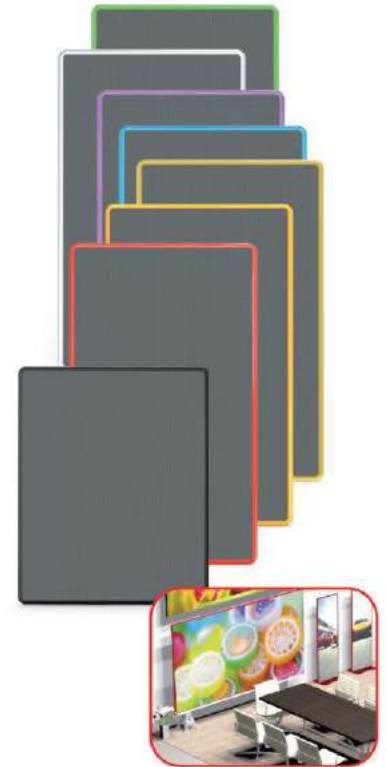
WOW your audience with a variety of *Xboard* configurations

Large format video solutions with maximum flexibility of choice for configuration

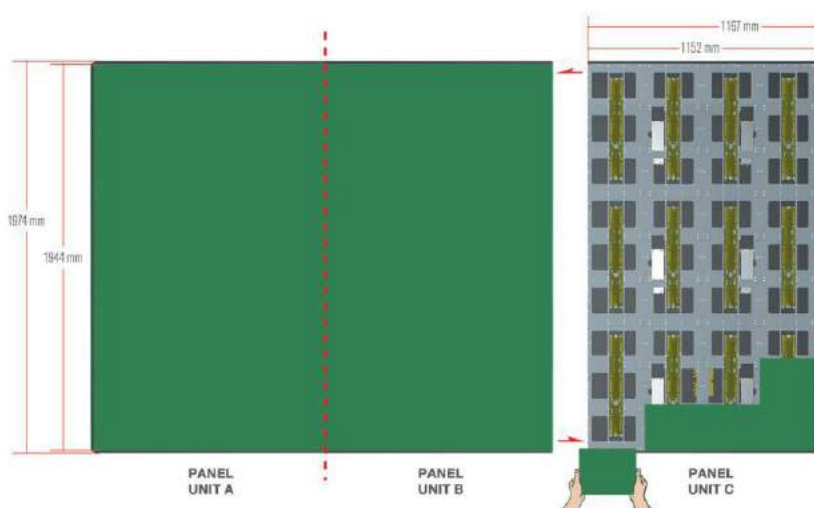
Popular 16:9 Aspect Ratio Resolutions (P2.571 mm)



Additional hardware is required for screen with resolution larger than 1920 x 1080 pixels



*Not sure of which screen size you want? Don't worry
We can recommend a Preconfigured Size for you*



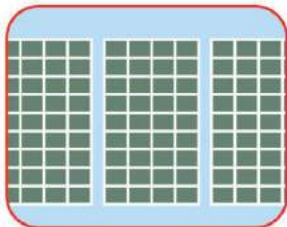
- Comes in 3 Pre-assembled Panel Units
- Panel Unit Size : 1152 x 1944 mm
- Finished Size : 3486 x 1974 mm
- No Structural Frame to Build
- Simple Wall Mounting Process
- No-fuss Easy Installation
- Choice of 5 Exciting Frame Colours
- Custom Built 3-piece Flightcase for Easy Transportation and Storage





Awesome Images with Intelligent Content Monitoring & Management

Engineered around a high-performance Internet Cyclone IV FPGA and Advanced DDR Flash Chip, Xboard's Smart Module is able to deliver excellent image quality with high refresh rate, intelligent video monitoring and worry-free management capabilities.



Popular Aspect Ratio Resolutions for Easy Configuration and Transport

Xboard module tile measuring 288 x 216 mm is designed natively in 4:3 form factor and can easily form into 16:9 aspect ratio screens with exact compatibility with the most widely-used resolutions. This enables easier content development and video wall processing. In addition, these tiles can be easily assembled or disassembled, stored and shipped. For example, a 16:9 display measuring 3.5 x 1.97 meters can be pre-assembled into 3 panels measuring 1152 x 1974 mm each for easy handling, shipping and storage.



Manage and Control Your Network Remotely and Globally

Xboard makes centralized video control and management via internet delivery workflow a reality. Cast your video remotely without the need to have an on-site controlling device or PC. Increase your efficiency by administrating and monitoring your video from the comfort of your office or home.



Hot Swappable Front Access Module and Cableless Connection

Replace faulty modules from the front without the need to disconnect any cable by using only a handle magnet and while the unit is running. We have made front serviceability not only easy but a breeze!



Easy Wall Mounting Solution

Our specially designed wall mounted bracket provides an extremely simple and secure way to affix your Xboard to the wall. To get that picture perfect hang whether it is oriented vertically or horizontally, all you need is a drill, a measuring tape, a pencil and a few easily available M6 screws and you are set. Simply add more brackets as the size of your display grows.



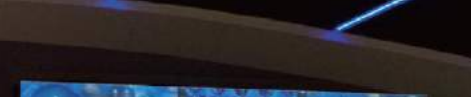
Immersive Visual Experience

Xboard is truly seamless and the absence of distracting bezels empowers you to fully exploit your impactful signage content. With full black LEDs, high refresh rate, 160° degrees both horizontally and vertically. You can now experience accurate and vivid colours with consistent levels of brightness from all angles without colour distortion or decay. Rest assured Xboard will deliver that crisp, high contrast image 24/7.



Improved Energy Use

Xboard's Smart Module utilizes an energy-saving technology that consumes less electricity than conventional LFD technology. This increases energy efficiency, provides for a lower overall cost of ownership, along with a higher ROI, making it a great long-term investment!



Xboard™



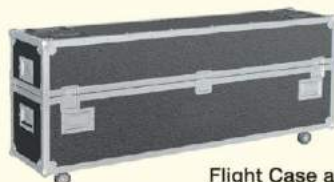
Material Parameters

Xboard

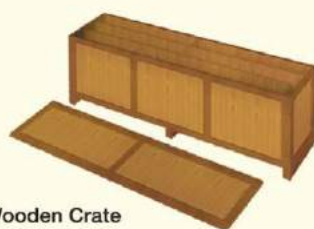
Pixel Pitch	2.571 mm	1.8 mm
Module Size (mm)	288 x 216	
Display Resolution (per module)	112 x 84	160 x 120
LED Configuration	Full Black 3-in-1 SMD (2121)	
Pixel Density (per sq. meter)	160000	308642
Display Dimension (H x W X D)	To Be Configured x 35 mm	
Panel Material	Aluminium	
Outer Frame Colours	7	
Weight	23 kg/Sqm	
Brightness	≥1000cd/m ²	
Drive Mode	1/28 constant scan	
Viewing Angle	160° (V) / 160° (H)	
Display Colours	4.4 Trillion	
Processing Depth	12 bits	
Refresh Rate	> 3600 Hertz	
Contrast Ratio	3000 : 1	
Operation Power	AC110/240V, 50 – 60Hz	
Maximum Power Consumption	656W/Sqm	
Average Power Consumption	190W/Sqm	
Display Mode	Asynchronous / Synchronous System	
Signal Output	HDMI (Optional)	
Connection Type	Ethernet / WIFI / Internet	
Supported VGA Mode	784 x 588	
Supported Video Files	MPEG-2 / H.264	
Operating Temperature	-10° to +50° Celsius	
Operating Lifetime (50% Brightness)	≥100,000 Hours	
Compliance	CE	

Features and specifications are subject to change without prior notice.

FREIGHT PACKING



Flight Case and Wooden Crate
Custom built to meet your shipping needs



STANDARD ACCESSORIES



Power Cable
Length : 2000 mm



HDMI Cable
Length : 2000 mm



RJ45 Cable
Length : 2000 mm



Connector Plate



Handle Magnet

- Weight : 2 kg
- Pulling power : 35 kg



Coloured Outer Frame

Please specify your choice of frame colour when placing orders

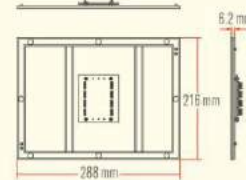
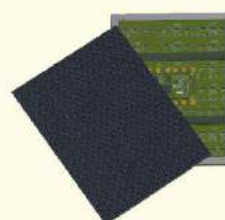
- Ferrari Red
- Red Gold
- Classic Gold
- Space Blue
- Electric Purple
- Star Silver
- Metal Green

OPTIONAL ACCESSORIES

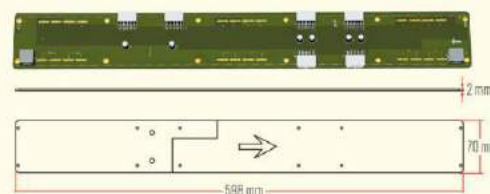


Wall Mounting Bracket

REPLACEMENT PARTS



LED Tile



LED Interconnect Board



FPGA Board



Media Player Board



HDMI Board

* Non-standard accessories, options and parts available as separately orderable items to complement our LED display solutions.