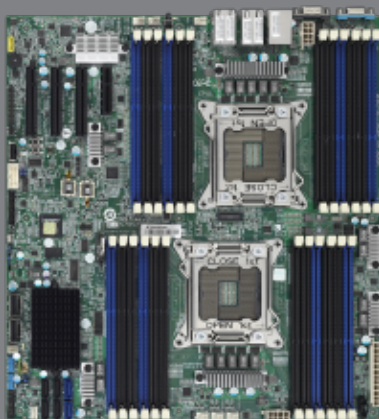
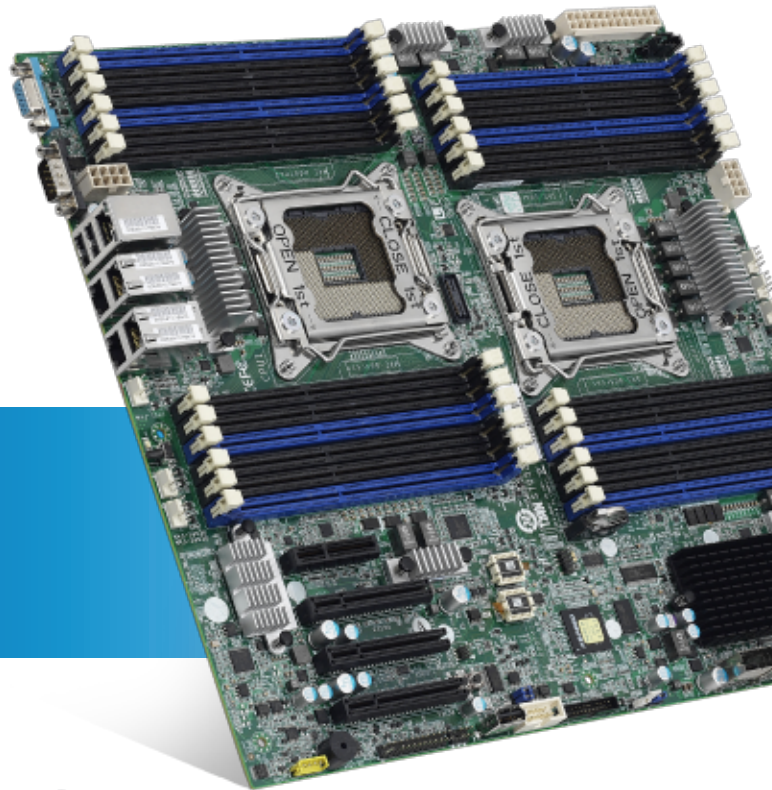


## DUAL-SOCKET SERVER PLATFORM

# S7052

S7052GM3NR / S7052WGM3NR /  
S7052GM5NR / S7052WGM5NR



■ Intel® C602 Chipset

High-end dual-socket server platform for  
HPC and server virtualization  
applications  
with (5) GbE and iKVM support

- Dual LGA2011 socket supports E5-2600/E5-2600 v2 Series CPU
- Intel® C602 PCH and INTEL SAS ROM key design
- (12+12) 240-pin UDIMM/RDIMM/LRDIMM ECC  
1066/1333/1600/1866  
\*Speed 1866 only for 1 slot per channel 1.5V(Blue color DIMM slot )
- (1) PCI-E Gen.3 x4 slot
- (3) PCI-E Gen.3 x8 slots
- (4) SATA-II connectors w/ RAID 0, 1, 10, 5 support
- (2) SATA-III connectors w/RAID 0, 1, 10, 5 support
- Intel integrate SAS 3.0G ports up to (8) ports
- Up to (5) GbE LAN
- E-ATX (12" x 13") form factor

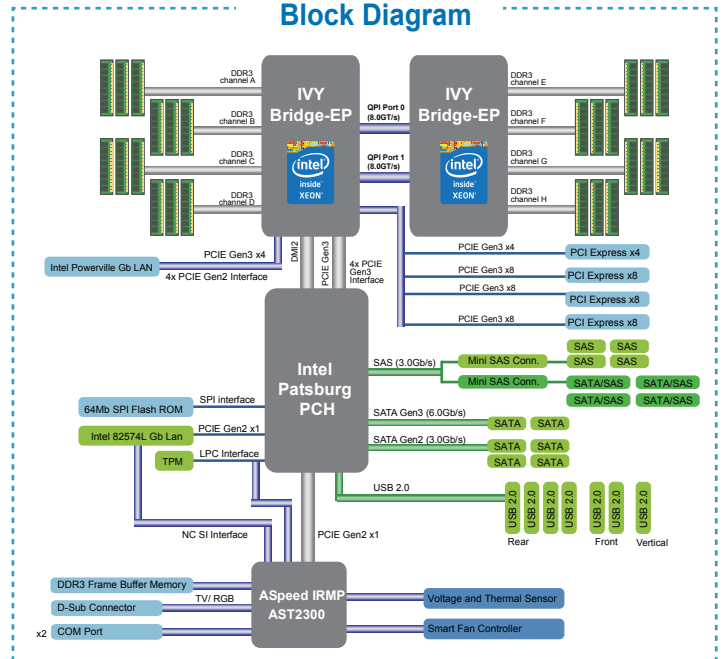


# S7052

S7052GM3NR / S7052WGM3NR / S7052GM5NR / S7052WGM5NR

## TYAN Specifications

|                 |                                    |                                 |                                                                                                                         |
|-----------------|------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Processor       | Supported CPU Series               |                                 | Intel Xeon Processor E5-2600/E5-2600 v2 Series                                                                          |
|                 | Socket Type / Q'ty                 |                                 | LGA2011 / (2)                                                                                                           |
|                 | Thermal Design Power (TDP) wattage |                                 | Max up to 135W                                                                                                          |
| Chipset         | PCH / PCI-E Switch                 |                                 | Intel Patsburg C600 series -W sku with Intel ROM Key                                                                    |
|                 | Super I/O                          |                                 | AST2300                                                                                                                 |
| Memory          | Supported DIMM Qty                 |                                 | (12+12) DIMM sockets                                                                                                    |
|                 | DIMM Type / Speed                  |                                 | UDIMM/RDIMM/LRDIMM ECC<br>1066/1333/1600/1866<br>*Speed 1866 only for 1 slot per channel<br>1.5V(Blue color DIMM slot ) |
|                 | Capacity                           |                                 | Up to 512GB RDIMM / 128GB UDIMM / 768GB LRDIMM                                                                          |
|                 | Memory channel                     |                                 | 4 Channels                                                                                                              |
|                 | Memory voltage                     |                                 | 1.35V/1.5V                                                                                                              |
| Expansion Slots | PCI-E                              |                                 | (1) PCI-E Gen.3 x4 slot #4<br>(1) PCI-E Gen.3 x8 slot #3<br>(1) PCI-E Gen.3 x8 slot #2<br>(1) PCI-E Gen.3 x8 slot #1    |
|                 | Recommended TYAN® Riser Card       |                                 | NA                                                                                                                      |
|                 | PCI                                |                                 | NA                                                                                                                      |
| LAN             | Port Q'ty                          |                                 | max support (5) LANs                                                                                                    |
|                 | Controller                         |                                 | Intel® 82574+Intel® I350-AM2 / I350-AM4                                                                                 |
| Storage         | SAS (opt.)                         | Connector                       | (2) Mini-SAS                                                                                                            |
|                 |                                    | Controller                      | Intel integrate SAS                                                                                                     |
|                 |                                    | Speed                           | 3G                                                                                                                      |
|                 |                                    | RAID                            | RAID 0/1/10                                                                                                             |
|                 | SATA                               | Connector                       | (6) signle-port                                                                                                         |
|                 |                                    | Controller                      | Intel Patsburg                                                                                                          |
|                 |                                    | Speed                           | 2 for 6.0 Gb/s(blue color), 4 for 3.0 Gb/s(black color)                                                                 |
|                 | RAID                               | RAID 0/1/10/5 (Intel® RST)      |                                                                                                                         |
|                 | Connector type                     |                                 | D-Sub 15-pin                                                                                                            |
|                 | Resolution                         |                                 | Up to 1920x1200                                                                                                         |
|                 | Chipset                            |                                 | Aspeed AST2300                                                                                                          |
| Audio           | Chipset                            |                                 | NA                                                                                                                      |
|                 | Version                            |                                 | NA                                                                                                                      |
| TPM (optional)  | Chipset                            |                                 | Winbond WPCT200AA0WG                                                                                                    |
|                 | Version                            |                                 | TPM v1.2                                                                                                                |
| Input /Output   | USB                                |                                 | (7) USB2.0 ports<br>(2 at rear, 4 via cable, 1 type A onboard),                                                         |
|                 | COM                                |                                 | (2) ports ( 1 at rear, 1 pin header)                                                                                    |
|                 | Audio                              |                                 | NA                                                                                                                      |
|                 | VGA                                |                                 | (1) D-Sub 15-pin VGA port                                                                                               |
|                 | DVI                                |                                 | NA                                                                                                                      |
|                 | Display Port                       |                                 | NA                                                                                                                      |
|                 | Power                              |                                 | SSI 24-pin + 8-pin + 8-pin power connectors                                                                             |
|                 | RJ-45                              |                                 | (5) GbE ports (-5NR SKU)                                                                                                |
|                 | Power                              |                                 | SSI/ATX 24-pin + 8-pin + 8-pin power connectors                                                                         |
|                 | Front Panel                        |                                 | (1) 2x12-pin SSI front panel header                                                                                     |
| SATA            |                                    | (6) signle port SATA connectors |                                                                                                                         |



|                       |                           |                                                                                                                                                                                                    |
|-----------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Monitoring     | Chipset                   | Nuvoton 83773G                                                                                                                                                                                     |
|                       | Voltage                   | Monitors voltage for CPU, memory, chipset & power supply                                                                                                                                           |
|                       | Fan                       | Total (7) 4-pin headers                                                                                                                                                                            |
|                       | Temperature               | Monitors temperature for CPU & system environment                                                                                                                                                  |
| BIOS                  | Brand / ROM size          | AMI / 8MB                                                                                                                                                                                          |
|                       | Feature                   | Plug and Play (PnP) /PCI2.3 /WfM2.0 /SMBIOS2.3 /PXE boot / ACPI 2.0 power management /Power on mode after power recovery / User-configurable H/W monitoring / Auto-configurable of hard disk types |
| Form Factor           | Form Factor               | SSI EEB                                                                                                                                                                                            |
|                       | Board Dimension           | 12"x13" (305x330mm)                                                                                                                                                                                |
| Operating System      | OS supported list         | Please refer to our OS supported list.                                                                                                                                                             |
| Regulation            | FCC (DoC)                 | Class A                                                                                                                                                                                            |
|                       | CE (DoC)                  | Yes                                                                                                                                                                                                |
| Operating Environment | Operating Temp.           | 0° C ~ 35° C (32° F ~ 131° F)                                                                                                                                                                      |
|                       | Non-operating Temp.       | - 40° C ~ 70° C (-40° F ~ 158° F)                                                                                                                                                                  |
|                       | In/Non-operating Humidity | 90%, non-condensing at 35° C<br>Non-operating Relative Humidity: 10% to 95% (non-condensing)                                                                                                       |
| RoHS                  | RoHS 6/6 Complaint        | Yes                                                                                                                                                                                                |
| ErP/EuP               |                           | NA                                                                                                                                                                                                 |

(Specifications are subject to change without notice. Items pictured may only be representative.)

### MITAC INTERNATIONAL CORP.

TYAN Business Unit

USA  
Tel: +1-510-651-8868  
Fax: +1-510-651-7688

Taiwan  
Tel: +886-2-2652-5888  
Fax: +886-2-2652-5805

Japan  
Tel: +81-3-3769-8311  
Fax: +81-3-3769-8328

Europe  
Sales: +32 2456 1721  
Technical Support: +32 2456 1722

China  
Shanghai Tel: +86-21-61431188 Ext 1366  
China Tel: +86-010-62555015 Ext 8302